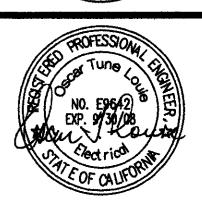


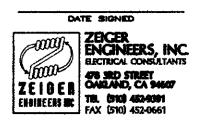


QUATTROCCHI KWOK ARCHITECTS

636 FIFTH ST. SANTA ROSA, CA 95404 (707) 576-0829 (707) 576-0295 FAX







PHASE II SENIOR ADULT
CENTER AND
AQUATIC
COMPLEX
CONCESSION

CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

REVISIONS	
	<del></del>
ARCH PROJECT NO:	641.02
DRAWN BY:	STAFF
DRAWING SCALE:	

DECEMBER 20, 2007

SHEET TITLE

LEGEND, SINGLE LINE DIAGRAM & TRENCH DETAIL

SHEET NUMBER

E-1.0

## **NEW FIRE ALARM SYSTEM DESCRIPTION:**

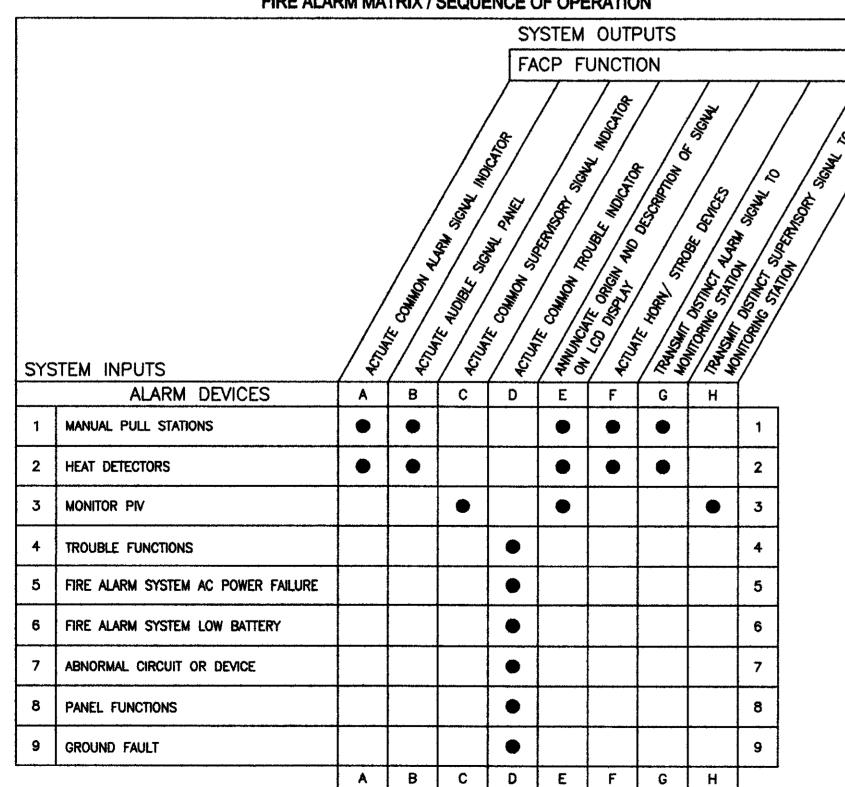
- 1. NEW FIRE ALARM BOOSTER POWER SUPPLY SYSTEM IS A FULLY AUTOMATIC SYSTEM AND TO BE CONNECTED TO EXISTING FIRE ALARM CONTROL PANEL.
- 2. NEW INITIATING AND NOTIFICATION DEVICE FIRE ALARM CIRCUITS ARE ADDRESSABLE AND WIRED AS CLASS B CIRCUIT.

## **GENERAL ELECTRICAL NOTES:**

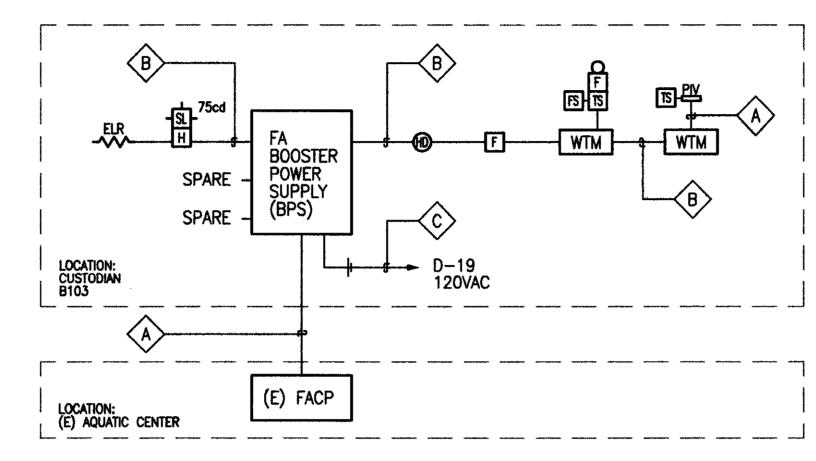
- 1. COMPLIANCE WITH FEDERAL, STATE AND LOCAL WIRING CODES IS REQUIRED INCLUDING NFPA 2001 AND NFPA 70.
- 2. INPUT POWER TO ALARM PANEL(S) TO BE 120 VAC, ON A DEDICATED CIRCUIT THAT DOES NOT DE-ENERGIZE UPON SYSTEM ALARM OR EPO ACTIVATION ETC. THAT CIRCUIT SHALL BE LABELED AT THE ELECTRICAL PANEL, AND BE PROVIDED WITH A LOCKOUT. THE ELECTRICAL PANEL AND CIRCUIT NUMBER SHALL BE NOTED AT THE FIRE ALARM CONTROL PANEL. THIS WIRING AND TERMINATION IS TO BE PROVIDED BY OTHERS, AND NOT TO BE RUN IN THE SAME CONDUIT AS ALARM PANEL DEVICES.
- 3. A SEPARATE EARTH GROUND MUST BE INSTALLED. PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE. THIS WIRING IS TO BE PROVIDED BY OTHERS.
- 4. ALL 120 VAC WIRING TO BE KEPT SEPARATE FROM ALL FIRE ALARM CIRCUITS.
- 5. ALL AUDIBLE/VISUAL DEVICES ARE TO BE PLACED SO THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" FROM THE FLOOR.
- 6. MANUAL RELEASE AND ABORT STATIONS ARE TO BE MOUNTED 48" FROM THE FINISHED FLOOR AS MEASURED FROM THE CENTER OF THE DEVICE.
- 7. NO BRANCH CIRCUITS ALLOWED, EXCEPT WHERE NOTED.
- 8. CONDUIT TO BE EMT WITH SET SCREW, OR COMPRESSION FITTINGS, ALL JUNCTION BOX COVERS ARE TO BE LABELED "FA" WITH A PERMANENT MARKER.
- 9. EXACT LOCATIONS OF DETECTORS AND CONTROL EQUIPMENT SHALL BE DETERMINED IN THE FIELD. EXACT PLACEMENT MAY BE SUPERSEDED BY FIXTURES, DUCTS, TRAYS ETC. DETECTORS SHALL BE LOCATED A MINIMUM OF 3 FT. FROM ANY AIR SUPPLY DIFFUSER ETC. AND A MINIMUM OF 4 INCHES FROM A SIDEWALL TO THE NEAR EDGE OF THE DETECTOR.
- 10. POLARITY SHOULD BE OBSERVED ON ALL DEVICES.
- 11. ANY WIRING THAT IS REQUIRED FOR EQUIPMENT SHUTDOWNS SUCH AS AIR HANDLERS, SHUNT TRIPS ETC. IS TO BE PROVIDED BY OTHERS, AND NOT TO BE RUN IN THE SAME CONDUIT AS ALARM PANEL DEVICES.
- 12. ANY WIRING THAT IS REQUIRED FOR MONITORING OF THE ALARM PANEL(S) SUCH AS LIFE SAFETY EQUIPMENT OR OFFSITE MONITORING COMPANIES IS TO BE PROVIDED BY OTHERS.
- 13. ANY RELAY ENCLOSURE LOCATIONS SHOULD BE COORDINATED ON JOB SITE.
- 14. PANEL AND DEVICES ARE EQUIPPED WITH SCREW TYPE CAGE CLAMP TERMINATIONS OR SADDLE CLAMPS. WIRE SPADE CONNECTORS NOT NEEDED EXCEPT FOR MANUAL RELEASE STATIONS.
- 15. EOL RESISTORS SHALL NOT BE SPLICED TO FIELD WIRING.
- 16. CHECK FOR WIRE TO WIRE SHORTS AND SHORTS TO GROUND, NONE ARE ACCEPTABLE.
- 17. ALL DEVICE WIRING TO BE LABELED.

  EXAMPLE: WIRES GOING INTO A DEVICE SHALL BE LABELED IN, WIRES LEAVING THE DEVICE SHALL BE LABELED OUT. SEE DRAWINGS FOR DETAILS.

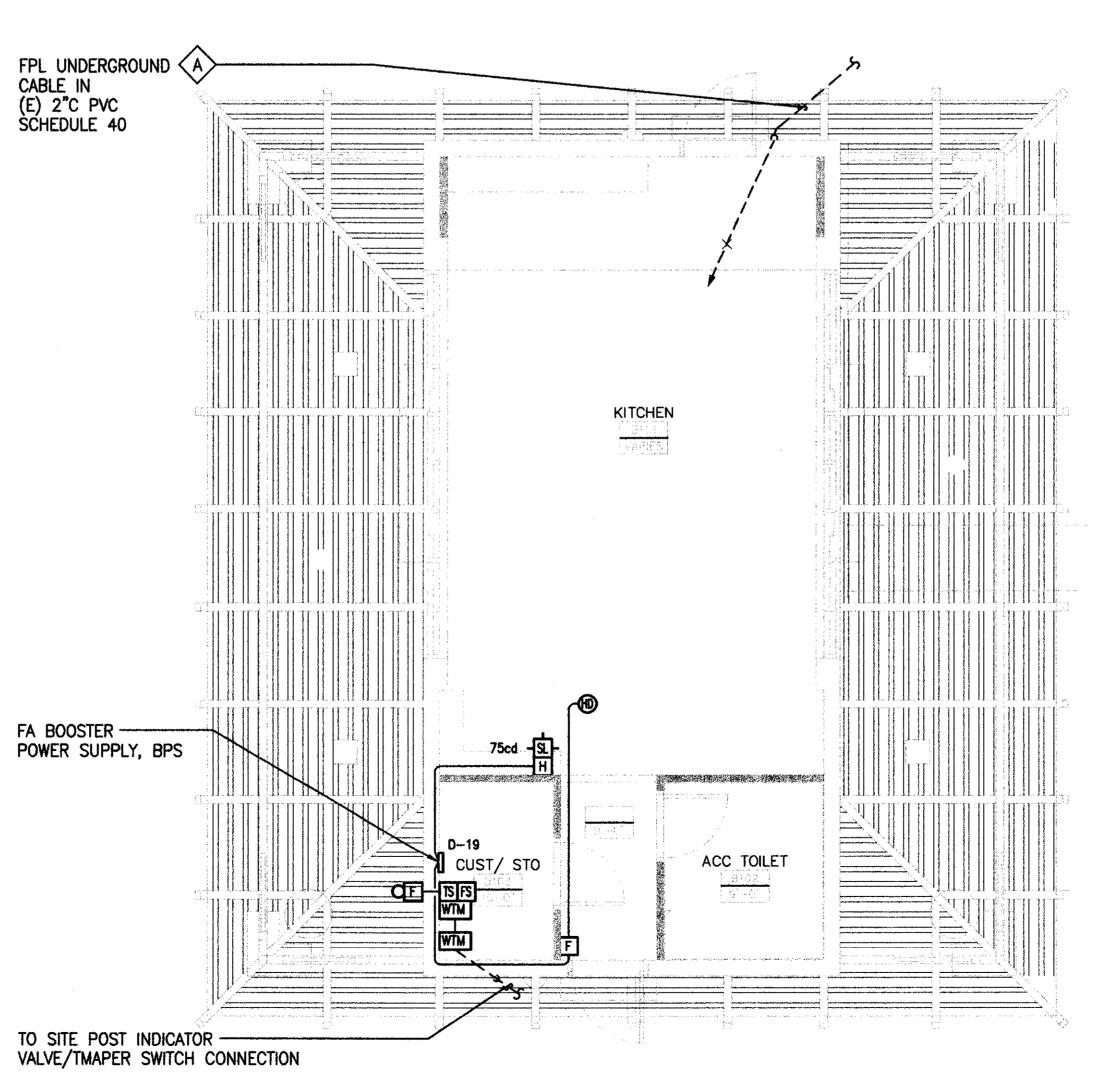
### FIRE ALARM MATRIX / SEQUENCE OF OPERATION



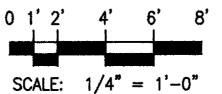
# WIRE LEGEND LABEL WIRE TYPE A WEST PENN WIRE #AQ293 (UNDERGROUND) OR APPROVED EQUAL B WEST PENN WIRE #D999 (INDOOR) OR APPROVED EQUAL C 3 #12 AWG THWN CONDUCTOR D 2 #18 FOR 24VDC POWER NOTE: ALL UNDERGROUND AND (OR) EXTERIOR CONDUCTORS SHALL BE LISTED FOR SUCH USE



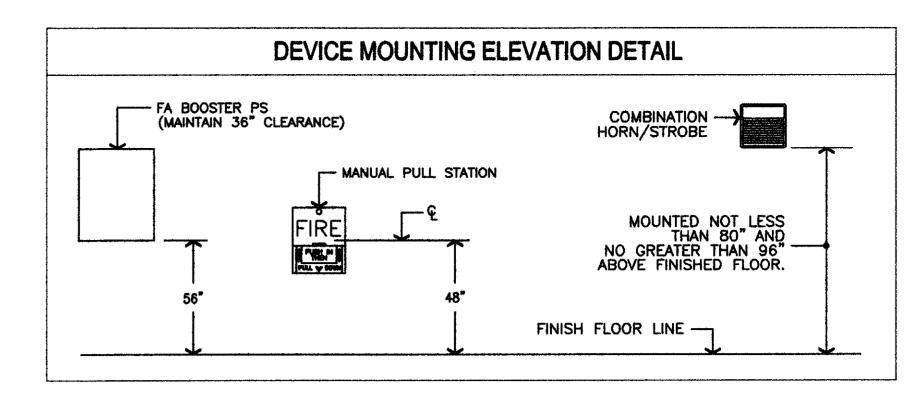
## FIRE ALARM SCHEMATIC DIAGRAM SCALE:









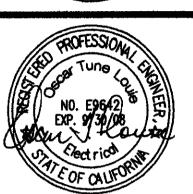


	FIRE	ALARM DEVICES	
SYMBOL	DEVICE	MANUFACTURER	CSFM
(E)_FACP	EXISTING FIRE ALARM CONTROL PANEL	EDWARDS SYSTEMS TECHNOLOGY EST1-273	
點	FIRE ALARM BOOSTER POWER SUPPLY	EDWARDS SYSTEMS TECHNOLOGY BPS6	7300-1657:20
F	PULL STATION	EDWARDS SYSTEMS TECHNOLOGY SIGA 270	7150-1657:12
<b>®</b>	HEAT DETECTOR	EDWARDS SYSTEMS TECHNOLOGY 283B-PL, SIGA-SB	7270-1657:10 7300-1657:12
划 H 75 cd	HORN/STROBE	EDWARDS SYSTEMS TECHNOLOGY 757-7A	7125–1657:18
WTM	WATERFLOW/TAMPER MODULE	EDWARDS SYSTEMS TECHNOLOGY SIGA-WTM	7300-1657:12
ZT.	TAMPER SWITCH	COORDINATE WITH FIRE SPRINKLER INSTALLATION	<b>-</b>
B	WATER FLOW SWITCH	COORDINATE WITH FIRE SPRINKLER INSTALLATION	
PN	POST INDICATOR VALVE	COORDINATE WITH FIRE SPRINKLER INSTALLATION	_
C F	WATERFLOW BELL	COORDINATE WITH FIRE SPRINKLER INSTALLATION	_
-ELR-	END OF LINE RESISTOR	EDWARDS SYSTEMS TECHNOLOGY	-



ARCHITECTS 636 FIFTH ST. SANTA ROSA, CA 95404 (707) 576-0829







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SENIOR ADULT CENTER C.I.P. #522-52280

AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

REVISION	ONS	
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ARCH PR	OJECT NO:	641.02
DRAWN B	Υ;	STAFF
DRAWING	SCALE:	

DECEMBER 20, 2007

SHEET TITLE

BLDG B FIRE ALARM
PLAN,
DEVICES AND
SCHEDULES

SHEET NUMBER

E-B2.1

CERTIFICATE (	OF COMPLIANCE	(Part 1 of 4)	LTG-1-C
PROJECT NAME PLASE 11 - AQUATIC COMPLI	EX CONCESSION		DATE 12/19/07
PROJECT ADDRESS 195 GRIFFITH LN			
BRENTWOOD, CA			1
PRINCIPAL DESIGNER-LIGHTING	i	TELEPHONE	Building Permit
Zeiger Engineers, Inc		510.452.9391	
DOCUMENTATION AUTHOR		TELEPHONE	Checked by/Date
Zeiger Engineers, Inc		510 452 9391	Enforcement Agency Use
GENERAL INFORMA			
DATE OF PLANS 12/20/07	BUILDING CONDITIONED	FLOOR	CLIMATE
BUILDING TYPE	☑ NONRESIDENTIAL ☐ HI	GH RISE RESIDENTIAL	☐ HOTEL/MOTEL GUEST
CONDITIONED SPACES	☑ UNCONDITIONED SPACES	□ INDOOR / OUTDOOR	SIGNS
PHASE OF CONSTRUCTION	I ☑ NEW □ AI	DDITION	ION
METHOD OF COMPLIANCE			
PERFORMANCE ØC	OMPLETE BUILDING - AREA CA	TEGORY   TAILORE	D COMMON LIGHTING
STATEMENT OF COMPLIA			id mil od p
'alifornia Code of Regulations.	sts the building features and performance This certificate applies only to building li	ghting requirements.	with Title 24, Parts 1 and 6 of the
he documentation preparer here OCUMENTATION AUTHOR	by certifies that the documentation is acco	trate and complete.	DATE
OSCAR T. LOUIE			12/19/07
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INDOOR LIGHTING POWER ALLOWANCE

<del>-----</del>

OMPLETE BUILDING METHOD- CONDITIONED S	WATTS	COMPLETE	ALLOWED
BUILDING CATEGORY (From § 146 Table 146-B)	PER (A <sup>2</sup> )	BLDG. AREA	WATTS
REA CATEGORY METHOD CONDITIONED SPAC	re		
	В	С	D
Λ	WATTS	AREA	ALLOWED
and a state of the	PER (ft <sup>2</sup> )	( <del>ft²</del> )	WATTS
AREA CATEGORY (From § 146 Table 146-C)		· · · · · ·	
		<b>[</b>	
		<b></b>	
	]		
	TOTALS	AREA	WATTS
	IOIAIS	AREA	177113
FAILORED METHOD— CONDITIONED SPACES			
	TOTAL ALLO	WED WATTS	İ
		om LTG-6-C)	
INCONDITIONED SPACES		Jan 20 0 0 ,	
A	13	С	D
Complete Building and Area Category Methods	WATTS	AREA	ALLOWED
CATEGORY (From § 146 Table 146-B & C)	PER (ft²)	(ft²)	WATTS
Concession	1.6	440	704
Restroom, Support areas	0.6	85	51
		525	755
	TOTALS	<u> </u>	WATTS
	IOIALS	ARUA	AAVIID

LTG-5-C

CERTIFICAT	E OF COM	PLIANCE	(Part 2 of 4)		<b>5-1-C</b>
PROJECT NAME PHASE II - AQUATIC C	OMPLEX CONCES	SION		)ATR 12/19/07	
INSTALLED INDOO	R LIGHTING PO	WER FOR COND	ITIONED AND UNCO	NDITIONE	D
				ı	NSTALL WATTS
	INSTA	ALLED LIGITING	CONDITIONED SPACE	ES (From	
			BLE LIGITING (From I	· –	-
			TROL CREDIT, CONDI		
		CONDITIONED S	SPACE ADJUSTED INS	TALLED  -	=
	IN	STALLED LIGITTI	NG, UNCONDITIONED	SPACES	512
	3	IGHTING CONTR	OL CREDIT, UNCONDI	TIONED [	
	U	NCONDITIONED!	SPACE ADJUSTED INS LIGII <b>TI</b> NG		512
ALLOWED INDOOR	R LIGHTING POV	VER FOR CONDI	FIONED SPACES		
✓ ☑ COMPLETE BUII	DING METHOD	(from LTG-5-C)			
☐ AREA CATEGOR					
☐ TAILORED METI	·				ALLOW
(from LTG-5-C)				Г	WATT:
			ALLOWED LIGHTING	POWER	755
ALTERNATE COM	PLIANCE				
✓ □ PERFORMANCE □ COMMON LIGHT (from LTG-8-C) ALLOWED INDOOR	TING SYSTEM	R FOR UNCONDI'I	TIONED	Watts	
			LIGHTING AND DAYI	IT AREAS	8
MANDATORY INDO	OOR AND DAYLU	GHTING AUTOM	ATIC CONTROLS		
CONTROL LOCATION (Room #, Area #, or Description )	CONTROL IDENTIFICATION	CONTROL TYPE (Auto Time Switch, Dimming, Photosensor, etc.)	Lists the location of controlled lights	√ If Control is for Daylighting	NOTE I
CONCESSION	TIME SWITCH	TIME SWITCH	CONCESSION		
	TIME SWITCH	TIME SWITCH	RESTROOM/ SUPPORT AREAS		

	LIGHTING MANDA	TO	RY MEASURES
	BUILDING LIGHTING SHUT-OFF		REQUIREMENTS.
	THE BUILDING LIGHTING SHUT-OFF SYSTEM CONSISTS OF AN AUTOMATIC TIME SWITCH, WITH A ZONE FOR EACH FLOOR: OR THE BUILDING IS SEPARATELY METERED AND LESS THAN 5,000 SQUARE FEET; EXEMPT FROM THE SHUT-OFF REQUIREMENT.		INDIVIDUAL ROOM/AREA CONTROLS EACH ROOM AND AREA IN THIS BUILDING IS EQUIPPED WITH A SEPARATE SWITCH OR OCCUPANCY SENSOR DEVICE FOR EACH AREA WITH FLOOR—TO—CEILING WALLS.
	OVERRIDE FOR BUILDING LIGHTING SHUT-OFF		UNIFORM REDUCTION FOR INDIVIDUAL ROOMS
	THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUAL ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE AREA OF OVERRIDE IS NOT TO EXCEED 5,000 SQUARE FEET.		ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 0.8 WATTS PER SQUARE FOOT OF LIGHTING LOAD SHALL BE CONTROLLED WITH BI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM.
×	CERTIFIED ALL AUTOMATIC CONTROL DEVICES SPECIFIED ARE CERTIFIED, ALL ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND INSTALLED AS DIRECTED BY THE MANUFACTURER.		SKYLIGHTS, THAT ARE GREATER THAN 250 SQUARE FEET, AND THAT ALLOW FOR THE EFFECTIVE USE OF DAYLIGH IN THE AREA SHALL HAVE 50 PERCENT OF THE LAMPS IN EACH DAYLIT AREA CONTROLLED BY A
×	FLUORESCENT BALLAST AND LUMINAIRES CERTIFIED		SEPARATE SWITCH; OR
	ALL FLUORESCENT FIXTURES SUBJECT TO CERTIFICATION AND SPECIFIED FOR THE PROJECTS ARE CERTIFIED.  TANDEM WIRING FOR TWO-LAMP BALLAST'S ALL ONE AND THREE LAMP		THE EFFECTIVE USE OF DAYLIGHT THROUGHOUT CANNOT BE ACCOMPLISHED BECAUSE THE WINDOWS ARE CONTINUOUSLY SHADE BY A BUILDING ON THE ADJACENT LOT. DIAGRAM OF SHADING DURING DIFFERENT TIMES OF YEAR IS
	FLUORESCENT FIXTURES ARE TANDEM		INCLUDED ON PLANS.

CONTROL OF EXTERIOR LIGHTS

EXTERIOR MOUNTED FIXTURES AND
SERVED FROM THE ELECTRICAL PANEL

INSIDE THE BUILDING ARE CONTROLLED WITH A DIRECTIONAL

ELECTRICAL PANEL.

PHOTOCELL CONTROL ON THE ROOF AND A CORRESPONDING RELAY IN THE

FLUORESCENT FIXTURES ARE TANDEM

ALL THREE LAMP FLUORESCENT

TWO-LAMP TANDEM WIRING

FIXTURES ARE SPECIFIED WITH ELECTRONIC HIGH-FREQUENCY BALLAST'S AND ARE EXEMPT FROM

WIRED WITH TWO (2) LAMP BALLAST WHERE REQUIRED BY STANDARDS 132;

	Luminaire		Lamps/Ballasts				Installed Watts				
A	В	С	D	E	F	G	H	I	J		
Name		Lamp Type	Number of Lamps per Luminaire	Watts Per Lamp	Number of Ballast per Luminaire	Wats per Luminaire	Tf CEC >	Number of Luminaires	Watts (11 x J )		
F1	CEILING MTD FIXTURE	FL	3	32	1	96		4	384		
F4	CEILING MTD FIXTURE	F1.	2	32		64		2	128		

INDOOR LIGHTING SCHEDULE

(Part 2 of 2)

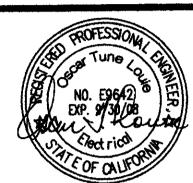


QUATTROCCHI KWOK ARCHITECTS

LTG-2-C

636 FIFTH ST. SANTA ROSA, CA 95404 (707) 576-0829 (707) 576-0295 FAX







PHASE II -**SENIOR ADULT CENTER AND AQUATIC** COMPLEX CONCESSION

> CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

**AQUATIC COMPLEX** CONCESSION C.I.P. #522-52300

REVI	SIONS	
****		
ARCH	PROJECT NO:	641.0
DRAW	NBY:	STAF
DRAW	NG SCALE:	-

CONSTRUCTION DOCUMENTS

**DECEMBER 20, 2007** SHEET TITLE

**2 9** 2568

BLDG B ENERGY COMPLIANCE -INDOOR

SHEET NUMBER

E-B-EC1

PROJECT NAME PHASE II – AQU	IATIC COMPLEX CO	NCESSION		DATE 12/19/		
PROJECT ADDRE 95 GRIFFITH LN	SS BRENTWOOD, CA					
PRINCIPAL DESIC			TELEPHONE 510.452.9391	TELEPHONE Building Permit 510.452.9391		
DOCUMENTATION Zeiger Engineers,			TELEPHONE 510.452.9391	Check Enforce	ed bv/Date ement Agency Use	
SENERAL INFOR	MATION					
DATE OF PLANS	12/20/07	OUTDOOR LIGHTING	ZONE (✓ One) 🗆 LZ1 🗆 LZ2 🖾	LZ3 □ LZ4		
FUNCTION TYPE	<b>Ø</b> Ou	ITDOOR LIGHTING	☐ OUTDOOR SIGNS	□ INDOO	R SIGNS	
PHASE OF CONS	TRUCTION IN NE	W CONSTRUCTION	☐ ADDITIONS	O ALTER	RATIONS	
he documentation	n preparer hereby certific	es that the documentation	uilding lighting requirements. is accurate and complete.		DATE	
DOCUMENTATIO OSCAR T. LOUIE		SIGNATURE			12/19/07	
ighting requiremen Part 6. Please ✓ 0	culations submitted with this contained in the applicane;	this permit application. The licable parts of Sections 1 under the provisions of Di	e forms and worksheets, with the spece proposed building has been designed to, 119,130 through 132, 146, and 145 vision 3 of the Business and Professions and that I am licensed in the State of	d to meet the of Title 24, ns Code to sign		
ighting requirement Part 6. Please ✓ 0  I hereby this docu	culations submitted with this contained in the applione:  affirm that I am eligible ument as the person resineer or electrical engine	this permit application. The licable parts of Sections 1 and under the provisions of Diponsible for its preparations of I arn a licensed arc	e proposed building has been designed to, 119,130 through 132, 146, and 149 wision 3 of the Business and Profession; and that I am licensed in the State of hitect.	ifications, and distributions are distributions and distributions		
lighting requirement Part 6. Please ✓ 0  I hereby this door civil eng  I affirm t 5537.2 0	culations submitted with this contained in the applione:  affirm that I am eligible ument as the person respineer or electrical engineer that I am eligible under the person of the container that I am eligible under the container the container that I am eligible under the container that I am	this permit application. The licable parts of Sections 1: under the provisions of Diponsible for its preparation are, or I am a licensed are the provisions of Division 3 cument as the person responses.	e proposed building has been designed to, 119,130 through 132, 146, and 145 wision 3 of the Business and Profession; and that I am licensed in the State of	ifications, and do to meet the do of Title 24, and the code to sign of California as a de by section		
ighting requirement Part 6. Please ✓ 0  I hereby this door civil eng  I affirm to 5537.2 contract  I affirm to docume Professi	culations submitted with this contained in the applione:  affirm that I am eligible ument as the person resineer or electrical engine that I am eligible under the 6737.3 to sign this doctor performing this work, that I am eligible under the thecause it pertains to ions Code Sections 5537	this permit application. The licable parts of Sections 1: under the provisions of Diponsible for its preparation are, or I am a licensed are the provisions of Division 3 current as the person response provisions of Division 3 a structure or type of wor 7,5538 and 6737.1.	e proposed building has been designed to, 119,130 through 132, 146, and 148 vision 3 of the Business and Profession; and that I am licensed in the State of hitect.  I of the Business and Professions Code ponsible for its preparation; and that I am it of the Business and Professions Code to the Business and Professions and Profess	ifications, and do to meet the operations of Title 24, and the code to sign of California as a set by section arm a licensed set to sign this		
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ighting requirement Part 6. Please / c  I hereby this door civil eng this soon civil eng the section of the sections of the section section the section section the section that the section is the section that the section that the section is the section that the secti	cutations submitted with this contained in the appliance:  affirm that I am eligible ument as the person resineer or electrical engine that I am eligible under the foreign of this doctor performing this work.  That I am eligible under the thing the eligible under the eligible under the eligible under the thing the eligible under the thing the eligible under the	this permit application. The licable parts of Sections 1:  under the provisions of Divisions of Divisions of Divisions of Division 3:  the provisions of Division 3:  the provisions of Division 3:  the provisions of Division 3:  a structure or type of word of type of type of word of type of type of type of word of type of typ	e proposed building has been designed 10, 119,130 through 132, 146, and 148 vision 3 of the Business and Profession; and that I am licensed in the State of hitect.  If of the Business and Professions Code ponsible for its preparation; and that I am it is soft the Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Code is described as exempt pursuant to Business and Professions Co	inications, and d to meet the d to meet the d of Title 24, and Code to sign of California as a set by section and a licensed at licensed at licensed at 2/19/07 brksheet is art 2 of 2 may be in thing allowances (East, but no other outdoughs, but no other incompany allowances (East, but no other incompany allowances).	E9642  clential Manual publis  corporated in scheduler lighting.	

CEKIITICA	TE OF COMPL	IANCE (Part 2	of 2) OLT	<b>G-1-C</b>
PROJECT NAME PHASE IL SENIOR ADI:	LT CENTER AND AQUATIC CO	OMPLEX CONCESSION		
		ting Meets Allowed Lighting Powe	er .	
✓				
Lighting power allowans	ces for general site illumination on	OLTG-2-C Part I of 4		
Not Applicable				
☐ Lighting power allowant	ces for local ordinances or for secu	arity multipliers on OLTG-2-C Part 2 of	4	
Not Applicable				
☐ Lighting power allowand	ces for specific applications, other	than vehicle service stations with canop	ies on OLTG-2-C Part 3 of	<b>'4</b>
☐ Not Applicable				
	ces for vehicle service station cand	opies on OT.TG-2-C. Part 4 of 4		
Not Applicable				
Sign lighting compliance	e on OT/TG-4-C			
Not Applicable				
Mandatary Messures as	Plans Show that Outdoor L	ighting Meets Outdoor Lighting C	ontrols and Equipment	
Indicate location on p	olans of Note Block for M	andatory Measure		
✓				
☐ Installed lighting power	has been determined in accordance	se with § 130(c)1		
Not Applicable				
All permanently installe	d luminaires with lamps rated over	r 100 watts either have a lamp ellicacy o	l'at least 60 lumens per wat	It or are contro
by a motion sensor § 1320	(a)			
Not Applicable				
		hardscape areas, including parking lots,	building entrances, canopie	es, and all outd
1	Requirements of § 132(b)			
Not Applicable				
All permanently installe		c 122/-\1		
1 many	ed outdoor lighting meets the Cont	trol Requirements of § 132(c)1		
Not Applicable				
		door sales areas meet the Multi-Level Li	ghting Requirements of §	132(e)2
			ghting Requirements of §	132(c)2
Building facades, parking	ng lots, garages, canopies, and out			132(c)2
Building facades, parking Not Applicable  MANDATORY AUTO	ng lots, garages, canopies, and out	door sales areas meet the Multi-Level Li	AREA	NOTE
Building facades, parking Not Applicable  MANDATORY AUTO	ng lots, garages, canopies, and out	door sales areas meet the Multi-Level Li  CONTROL TYPE  Auto Time		NOTE
Building facades, parkin  Not Applicable  MANDATORY AUTO  CONTROL  LOCATION	matic controls  CONTROL  IDENTIFICATION	door sales areas meet the Multi-Level Li	AREA	NOTE
Building facades, parking Not Applicable  MANDATORY AUTO	ng lots, garages, canopies, and out	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOTE
Building facades, parkin  Not Applicable  MANDATORY AUTO  CONTROL  LOCATION	matic controls  CONTROL  IDENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOTE
Building facades, parkin  Not Applicable  MANDATORY AUTO  CONTROL  LOCATION	matic controls  CONTROL  IDENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOTE
Building facades, parkin  Not Applicable  MANDATORY AUTO  CONTROL  LOCATION	matic controls  CONTROL  IDENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOTE
Building facades, parkin  Not Applicable  MANDATORY AUTO  CONTROL  LOCATION	matic controls  CONTROL  IDENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOTE
Building facades, parking Not Applicable  MANDATORY AUTO  CONTROL  LOCATION	matic controls  CONTROL  IDENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOTE
■ Building facades, parkin ■ Not Applicable  MANDATORY AUTO  CONTROL  LOCATION	matic controls  CONTROL  IDENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOT

MPLI	ANC	E SUM	MAR	Y		(Pa	rt 1 o	f 4)		0	LTG	-2-(	7
ENTER AND	AQUATIC	COMPLEX C	ONCESSION	1									
<b>ALLOW</b>	ANCES -	- GENER	AL SITE	ILLUMINATIO	N – (Tal	ole 147	-A)						
					Lamps/Ballasts			Installed Watts					
В	С	D	E	F	G	H	I	J	K	L	M	N	0
Area (ft²) or Length (LF)	Allotted LPD W/\Omega^2 or W/LE	Allotted Watts (B x C)	Code for Luminaire Type	Description	Cutoff Designation	Lamp Type	Number of Lamps per Luminaire	Watts per Lamp	Number of Ballast per Luminaire	Watts per Luminaire	If CEC Default	Number of Luminaires	Installed Watts (I.xN)
747	1.25	934	F2	WALL		МН	1	50	1	55		2	110
			F3	CEILING MOUNTED		МН	1	70	1	77	•	4	308
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		024							To	tal Inetal	ed Watte	418	
	ALLOWA  B Area (tt²) or 747	ALLOWANCES  Allotted Wat  Allotted Wat  Allotted Wat  Allotted Wat  Allotted Wat  C W/\(\Omega^2\) or W/\(\L^2\)) or  B Area (\(\Omega^2\)) or  Length (LF)	Allotted Watts  B C Allotted LPD Allotted LPD 747 1.25 934	ALLOWANCES – GENERAL SITE  Allotted Watts  B C D Allotted Watts  B Area (ft²) or 747  1.25  934  F2  F3	B C D E F  Length (H²) or W/L!: D 934 F2 WALL MOUNTED  747 1.25 934 F2 WALL MOUNTED  F3 CEILING MOUNTED  F3 CEILING MOUNTED	ALLOWANCES - GENERAL SITE ILLUMINATION - (Tal  Allotted Watts  B C D E F G  Length (LF) 747  1.25  934  F2  WALL MOUNTED  F3  Conder (ft²) or W/L! F3  CEILING MOUNTED	ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147  Allotted Watts  B C D E F G H  Luminaire  Luminaire iver  Ode of or W/IL:  OB x C  OUT of W/IL:  TAT  1.25  934  F2  WALL  MOUNTED  MH  F3  CETLING  MOUNTED  MH  MOUNTED	ALLOWANCES – GENERAL SITE ILLUMINATION – (Table 147-A)  Allotted Watts  I.uminaire  B  C  D  E  F  G  H  Lamps/  F  Cutoff  Cutoff  (B x C)  T47  1.25  934  F2  WALL  MOUNTED  F3  CEILING  MH  1  MH  1  MH  1  MOUNTED  MH  1  MH  1  MOUNTED  MH  MH  MH  MH  MH  MH  MH  MH  MH  M	ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A)  Allotted Watts  B C D E F G H I J  Allotted Marts  B C D E F G H I J  Allotted Watts  Luminaire  C Odd B X C D E F G H I J  C Of Lamps per cription  Description  T47 1.25 934 F2 WALL MOUNTED  F3 CEILING MOUNTED  MH 1 70  MH 1 70	ENTER AND AQUATIC COMPLEX CONCESSION  ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A)  Allotted Watts  B C D E F G H I J K  Luminaire  L	DATE   10729/07	ENTER AND AQUATIC COMPLEX CONCESSION  ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A)  Allotted Watts  Luminaire  F G H I J K L M  Of Ballasts  Liminaire  Lengh/Ballasts  Lengh/Ballas	ENTER AND AQUATIC COMPLEX CONCESSION  ALLOWANCES - GENERAL SITE ILLUMINATION - (Table 147-A)  Allotted Watts  B C D E F G H I J K L M N N P P CLumination  Cod B N uninber  Cumps  R uninber  Lumination  Cumps  R uninber  Lumination  R uninber  Luminati

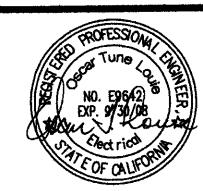
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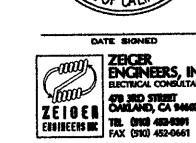


QUATTROCCHI KWOK ARCHITECTS

636 FIFTH ST. SANTA ROSA, CA 95404 (707) 576-0829 (707) 576-0295 FAX







PHASE II SENIOR ADULT
CENTER AND
AQUATIC
COMPLEX
CONCESSION

CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

REVISI	ONS	
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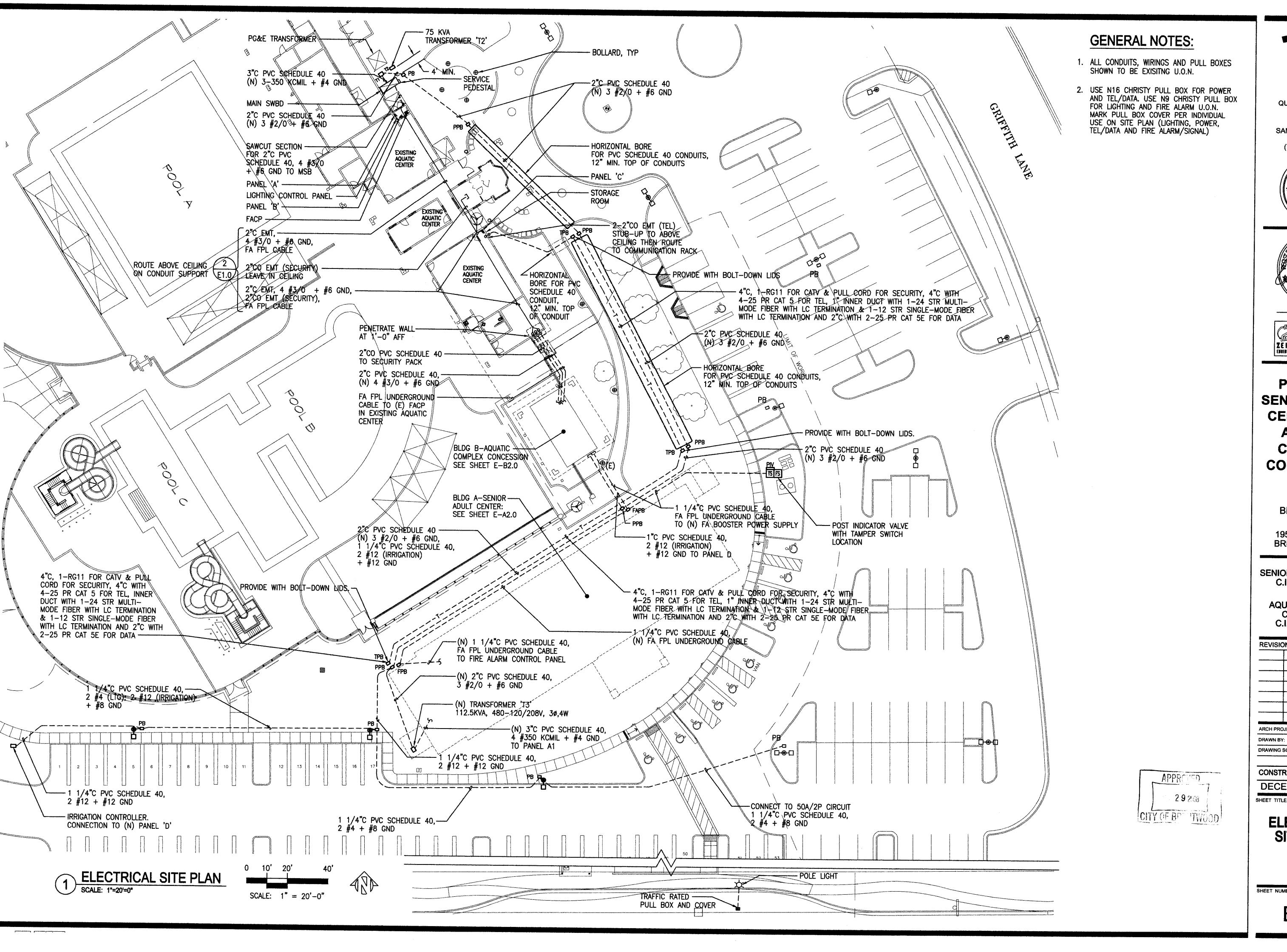
CONSTRUCTION DOCUMENTS
DECEMBER 20, 2007

SHEET TITLE

BLDG B ENERGY COMPLIANCE -OUTDOOR

HEET NUMBER

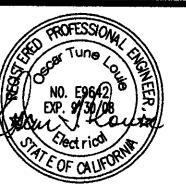
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ZEIGER
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PHASE II -**SENIOR ADULT CENTER AND AQUATIC** COMPLEX CONCESSION

> CITY OF **BRENTWOOD**

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

REVIS	IONS	
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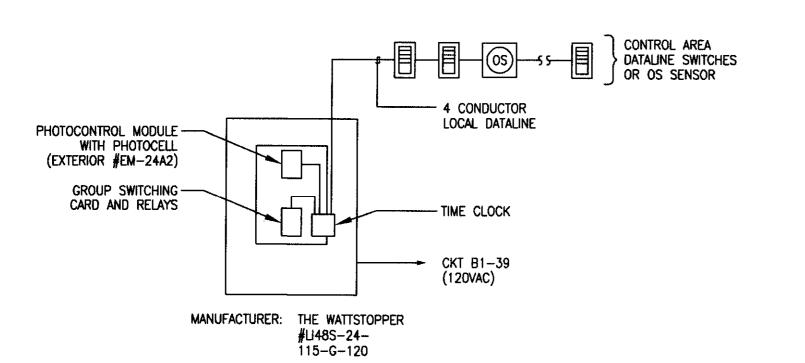
**CONSTRUCTION DOCUMENTS DECEMBER 20, 2007** 

SHEET TITLE

**ELECTRICAL** SITE PLAN

SHEET NUMBER

E-1.1



		'LCP'	CONTROL SCHEDULE		
RELAY #	CIRCUIT #	FIXTURE	ROOM #	DATALINE SWITCH MODEL	DESCRIPTION
1	B1-1,3	F3	A101		
2	B111	F3	A102		**
3	B1-9	F2	A103		
4	B1-9	F1	A104	<u> </u>	
5	B1-9	F10	A105		
6	B15	F1	A106		
7	81-11	F10	A107		
8	B1-5	F1	A108		
9	B1~11	F6	A109		
10	B1-11	F8	A110		
11	B1-11	F7,F8	A111		
12	B1-11	F7,F8	A112		
13	B1-11	F10	A113		
14	B1-11	F10	A114		
15	B1-7	F1	A115		
16	B1-7	F4	A116		
17	B1-7	F4	A117		
18	B1-7	F4	A118	Partie.	
19	B1-13	F13	EXTERIOR-ENTRY		TIMESWITCH/
20	B1-13	F11	EXTERIOR		PHOTOCELL
2124	SPARES	_			1

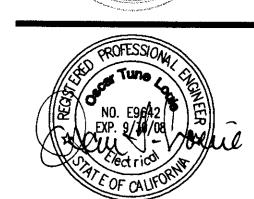
TYPE	DESCRIPTION	MANUFACTURER'S CATALOG NO.	MOUNTING	VOLT.	LAMPS	REMARKS
F1	2' X 4' RECESSED MOUNT LENSED FIXTURE	LIGHTOLIER #SPS2GFSVA332-120	SURFACE	120	3-32W T8	
F2	2' X 4' LINEAR FLUORESCENT ACRYLIC ARC WITH LICHTSHIELD	LICHTOLIER "BELMONT IL" #BE2B432UNVH4-10330	SURFACE	120	4-32W T8	
F3	DIRECT/INDIRECT LINEAR PRISMATIC LENS (85% DOWNLIGHT-15% UPLIGHT) WITH COUPLER STEM	LIGHTOLIER #EYS4LNFR232UNVH (-LP400-EY COUPLER	PENDANT	120	2-32W T8 TANDEM	BATTERY PACK FOR EM LIGHTING ONLY
F4	8' STRIP FLUORESCENT FIXTURE	LIGHTOLIER #SN8S132HPF120S0	SURFACE	120	1-32W T8 IN TANDEM	
F5	8 3/4" WET LENSED DOWNLIGHT	LIGHTOLIER #8098VWH / 8242HUV	RECESSED	120	1-32W TTT	
F6	4' STRIP FLUORESCENT FIXTURE .	LIGHTOLIER #SN4S132HPF120S0	SURFACE	120	1-32W T8	
F7	60 1/2" FLUORESCENT ACRYLIC WHITE WALL VANITY	LIGHTOLIER #5405PCU	WALL	120	2-40W T8	
F8	6" LENSED DOWNLIGHT WITH INTEGRAL BATTERY PACK	LIGHTOLIER 1 #8091FCLW FAEM3E, S6132BU-126	CEILING	120	1-26W TT {	BATTERY PACK FOR EM LIGHTING ONLY
F9	DECORATIVE LIGHTSHIELD WITH INTEGRAL BATTERY PACK	LIGHTOLIER #40871/40828U	WALL	120	2-18W TWIN CFL	BATTERY PACK FOR EM LIGHTING ONLY
F10	3' STRIP FLUORESCENT FIXTURE .	LIGHTOLIER #SN3S125HPF120S0	SURFACE	120	1-25W T8	
F11	DIE-CAST HEAVY PRESSED CERAMIC-COATED GLASS, FULLY-GASKETED FOR WET LOCATION	LIGHTOLIER #4552BKN1	WALL	120	1-26W QUAD	VIA LCP
F12	EXIT SIGN, LED TYPE WITH 90 MIN. BATTERY PACK	LIGHTOMER 1 #EX (1/2) - G-3-W-C-N	WALL / CEILING	120	LED TYPE (	2 FACES FOR UNIT ALONG GRID 6
<del>-</del> 13	19.5" DIAMETER SHADE-VAPORTITE PRISMATIC GLASS DECORATIVE FIXTURE WITH REMOTE BALLAST USING 1/2" THREADED STEM	LIGHTOLIER #RWV42LGC1	PENDANT	120	1-42W PL	VIA LCP
F14	TRACK LIGHT, 2-CIRCUIT PER 8' LENGTH	CON-TECH LIGHTING #NTEK48-B-NFTP48-B	SURFACE	120	•	16' TOTAL LENGTH

## **GENERAL NOTES:**

- 1. INCLUDE BATTERY PACKS FOR EMERGENCY (EM) LIGHTING
- ALL F5, F11 AND F13 EXTERIOR FIXTURES CONTROLLED VIA LIGHTING CONTROL PANEL (LCP). REFER TO EXTERIOR LIGHTING ELEVATIONS FOR EXACT MOUNTING HEIGHT
- 3. FOR KITCHEN A103, REQUIRED LIGHTING INTENSITY
  OF 50 FOOTCANDLES MINIMUM ACHIEVED WITH REVISED
  LIGHTING LAYOUT OF F1 FIXTURE (9 TOTAL)

## SHEET NOTES:

- WALL-MOUNTED OCCUPANCY SENSOR WITH TWO INTEGRAL SWITCHES, TYP UON
- 2 MAIN DIMMER SWITCH, SINGLE POLE BY LUTRON #NT-1503P
- 3 3-WAY SWITCH, SINGLE POLE
  BY LUTRON #NT-3PS (INDIVIDUALLY LINKED
  TO MAIN DIMMER SWITCH)



QUATTROCCHI KWOK

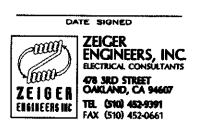
ARCHITECTS

636 FIFTH ST. SANTA ROSA, CA 95404

(707) 576-0829

(707) 576-0295 FAX

MARK QUATTROCCHI NO. C-15438



## PHASE II SENIOR ADULT CENTER AND AQUATIC COMPLEX CONCESSION

CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

REVISIO	ONS	
$\triangle$	03/21/08	CCCFPD REVIEW
<u> </u>	04/15/08	CCEH REVIEW
<u> </u>	04/17/08	ZE CLARIFICATIO
	AUN	6 2008
<u></u>	UY OF BR	ENTWOOD
ARCH PRO	DJECT NO:	641
DRAWN BY	<b>'</b> :	STA
DRAWING	SCALE:	***************************************

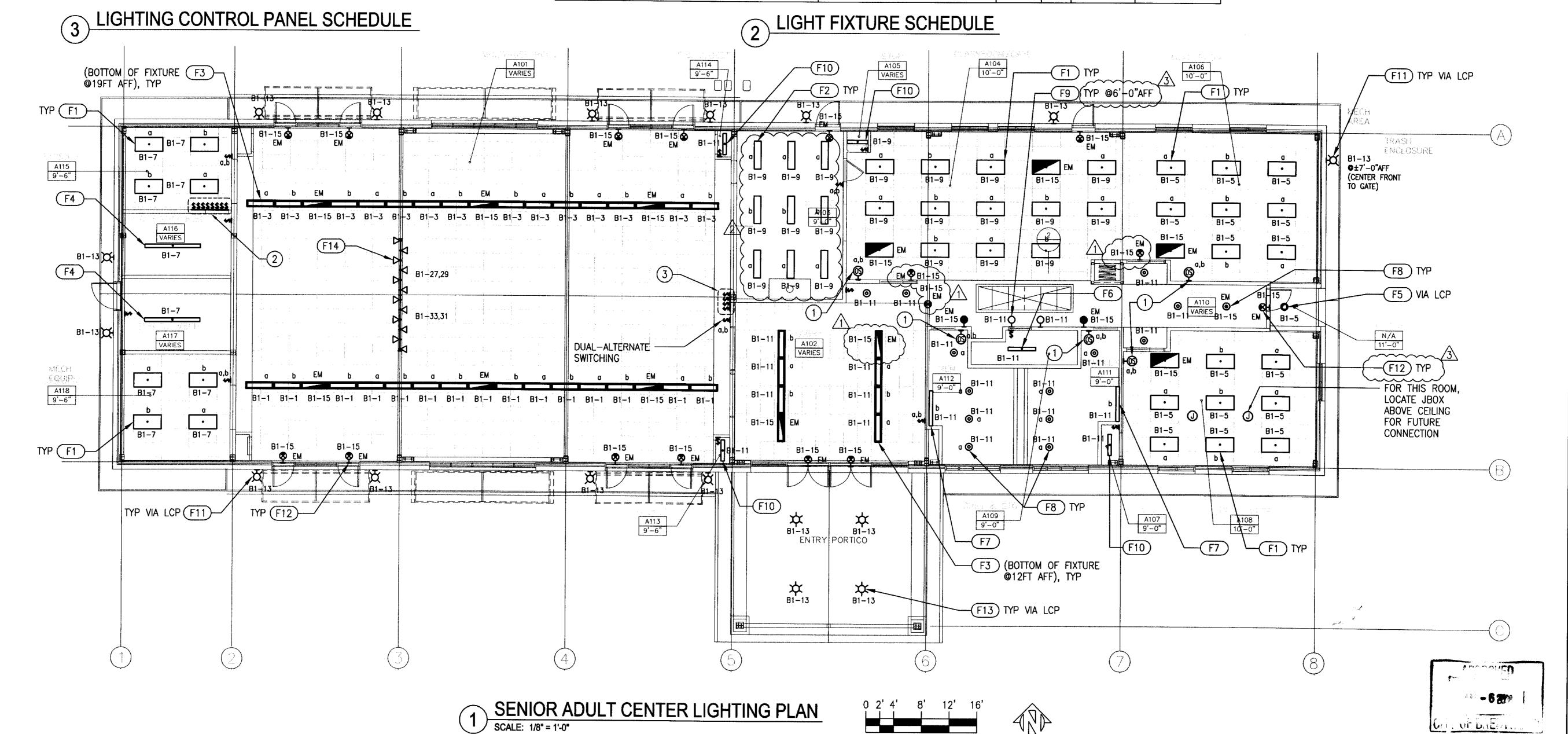
## DECEMBER 20, 2007 SHEET TITLE SENIOR ADULT

CONSTRUCTION DOCUMENTS

SENIOR ADULT CENTER-BLDG A LIGHTING PLAN

SHEET NUMBER

E-A2.0



SCALE: 1/8" = 1'-0"

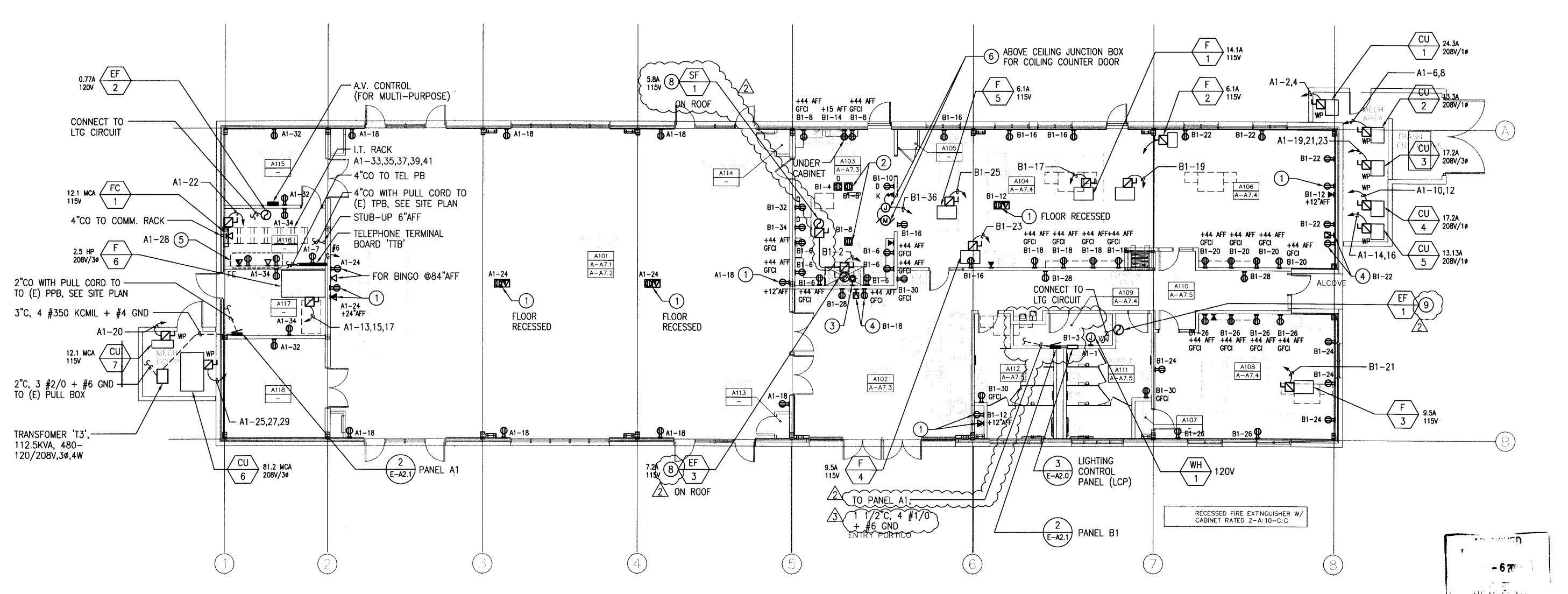
MAIN BREAKER	REQ'D: 300A	- AAAINE LI	JGS ONLY:		DII	s rat	INC.	A	O AMI	20	DANEI T	YPE: PLUG	ON	LOCATIO	ON: ELECTRICAL 112
	\ /						ino.	<b>+</b> (							
DESCRIPTION	PHASE A	PHASE B	PHASE C		POLE	CKT	<u> </u>	<del></del>	СКТ	POLE	AMPS	PHASE A	PHASE B	PHASE C	DESCRIPTION
WH-1	180			20	1	1	Ϋ́	1	2		_ 40	2028			CU-1
SPARE				20	11	3	]	Χİ	4	2			2028		24.3 MCA, 1ø
SPARE				20	1	5	]	ļ×	6		_ 20			1106	CU-2
TELEPHONE 'TTB'	180			20	1	7	Ϋ́		8	2		1106			13.3 MCA, 1ø
SPARE				20	1	9	] ]	Χİ	10		_ 30		1431		CU-4
SPARE			•	20	1	11	] [	X	12	2				1431	17.2 MCA, 1ø
F-6,	1188			20		13	X		14		20	1106		<del></del>	CU-5
2.5HP, 3ø		1188		/		15		X	16	2			1106		13.3 MCA, 1ø
			1188		3	17	]	X	18	1	20			1620	RECEPT-A101
CU-3,	1800			30	$\overline{}$	19	ÌX		20	1	20	1452			CU-7, 12.1 MCA
17.2 MCA, 3ø		1800		/		21	1	χ	22	1	20		1452		FC-1, 12.1 MCA
			1800		3	23	1	Ιχ̈́	24	1	20			900	RECEPT-A101
CU-6,	8352			100	$\overline{}$	25	1 x	11	26	1	20	200			FACP
81.2 MCA, 3ø		8352		ر ا		27	1	χ̈́	28	1	20		200		SECURITY PANELS
·			8352		3	29	11	Ιχ	30	1	20	<del></del>		500	DOOR PANIC HARDWARE
RACK 1	1400			20	1	31	1 x	11	32	1	20	720			RECEPT-A115,118
RACK 2		1400		20	1	33	11	χ̈́	34	1	20		540		RECEPT-A116,117
RACK 3			1400	20	1	35	11	Ι×̈́	36	1	20				SPARE
RACK 4	1400			20	1	37	χ̈́	11	38		150	13592			- · · · · · · · · · · · · · · · · · · ·
RACK 5		1400		20	1	39	11	x	40	1	<u> </u>	<del>)                                    </del>	13288		PANEL B1
RACK 6			1400	20	1	41	11	Ιχ̈́	42	3 `	$\searrow$			12540	
TOTALS	14500	14140	14140		<b>1</b>			<u> </u>	<u> </u>		/3\	17898	16503	17039	TOTALS
	· · · · · · · · · · · · · · · · · · ·		150550 4.0					•					0.4000.14		
		TOTAL CON											94220 VA		
		LONG TIME	CONTINUOL	is loai	):					X 0.	.25 =	_	VA		
	1	CALCULATED	FEEDER L	OAD:									94220 VA	(262A)	

	)'D: X	WATER C	UGS ONLY:			S RATI	110.	'	50 AM			YPE: PLUG			ON: 2 CUSTODIAN 111
DESCRIPTION	PHASE A	PHASE B	PHASE C	AMPS	POLE	СКТ			CKT	POLE	AMPS		THASE B	PHASE C	DESCRIPTION \
LIGHTING	896			20	1	1	X		2	1	20	1872	)		$EF-3$ , $\SF-1$ , $\SOLENOID$
LIGHTING		896		20	1	3		×Ι	4	1	20	$\langle \cdot \rangle$	1152		ICE MAKER, 9:6A
LIGHTING			1500	20	1	5	]	X	6	1	20	/3\		1080	RECEPT-A103
LIGHTING, EF-1	900			20	1	7	X	1	8	1	20	900			RECEPT-A103
LIGHTING		1500		20	1	9	]	×Ι	10	1	20		1200		DEDICATED RECEPT-A103
LIGHTING, EF-2		·	1200	20	1	11	]	X	12	1	20			540	RECEPT-P/D/S
LIGHTING	1200			20	1	13	X		14	1	20	1920			DISPOSER, 1HP
EMERGENCY LIGHTING (EM)		600		20	1	15	]   :	X	16	1	20		540		RECEPT-A104
F-1, 14.1A			1692	20	1	17		X	18	1	20			720	RECEPT-A104
F-2, 6.1A	732			20	1	19	X		20	1	20	720			RECEPT-A106
F-3, 9.5A		1140		20	1	21	]   ;	X	22	1	20		720		RECEPT-A106
F-4, 9.5A			1692	20	1	23	]	X	24	1	20			1080	RECEPT-A108
F-5, 6.1A	732			20	1	25	ΙX		26	1	20	720			RECEPT-A108
LIGHTING		1500		20	1	27	]   ;	×Ι	28	1	20		540		RECEPT-A102,109,110
LIGHTING			1500	20	1	29	11	ΙX	30	1	20			360	RECEPT-A111,112
LIGHTING	1500			20	1	31	ΙX		32	1	20	1500			FREEZER (DEDICATED)
LIGHTING		1500		20	1	33	1   :	×Ι	34	1	20		1500		REFRIGERATOR (DEDICATED
SPARE				20	1	35	1	Ì	36	1	20			1176	C. COUNTER DOOR, 1/2HP
SPARE				20	1	37	ΙX		38	1	20				SPARE
LIGHTING CONTROL PANEL (LCP)		500	***************************************	20	1	39		×Ι	40	1	20		•		SPARE
SPARE				20	1	41	11	X	42	1	20		•		SPARE
TOTALS	5960	7636	7584				<del></del>		•		•	7632	5652	4956	TOTALS
		LONG TIME	NECTED LOA CONTINUOU FEEDER L	IS LOAD	):				1469	2 X 0.	25 =		39420 VA 3673 VA 43093 VA	(120A) 3	7

## SHEET NOTES:

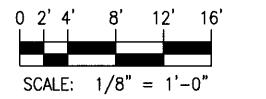
- 1) FOR AUDIO/VIDEO/DATA (P/D/S)
- 2 MONUMENT TYPE FLOOR DUPLEX RECEPTACLE HUBBELL #SC3098A, SS309D OR APPROVED EQUAL
- (3) FOR GAS SOLENOID
- TV POWER AND CABLE RG6 CONNECTION MOUNTED +84"AFF
- 5 LOCATE POWER/TEL/DATA INSIDE SECURITY PANEL. CONTRACTOR TO VERIFY MOUNTING LOCATION WITH SECURITY CONSULTANT ON SITE PRIOR TO INSTALLATION
- 6 CEILING MOUNTED JUNCTION BOX FOR COILING COUNTER DOOR WITH KEY SWITCH CONTROL, BY OVERHEAD DOOR COMPANY, MODEL CDO (REFER TO SPECIFICATION FOR INSTALLATION AND OTHER REQUIREMENTS)
- 7 PROVIDE SHUNT TRIP BREAKER FOR EQUIPMENT SHUTDOWN. SEE FA PLAN E-A3.0
- 8 HOOD EXHAUST AND MECHANICAL MAKE-UP AIR SYSTEMS SHALL BE CONNECTED BY AN ELECTRIC INTERLOCKING SWITCH AS REQUIRED. SEE MECHANICAL DRAWING
- 9 LIGHT SWITCH—ACTIVATED VENTILATION FAN EF-1 SHALL BE USED IN THE RESTROOMS. SEE MECHANICAL DRAWING

2 PANEL SCHEDULES



SENIOR ADULT CENTER POWER PLAN

SCALE: 1/8" = 1'-0"





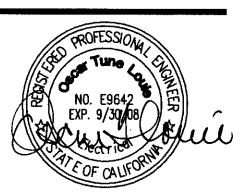
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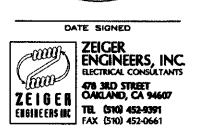
QUATTROCCHI KWOK ARCHITECTS 636 FIFTH ST.

SANTA ROSA, CA 95404

(707) 576-0829







## PHASE II SENIOR ADULT CENTER AND AQUATIC COMPLEX CONCESSION

CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

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REVISION	ONS		_
<u> </u>	03/21/08	CCCFPD REVIEW	
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A	04/17/08	ZE CLARIFICATION	
		KE	VISED
		AUN	-6 <b>2008</b>
ARCH PR	OJECT NO:	641.02	<b>1</b>
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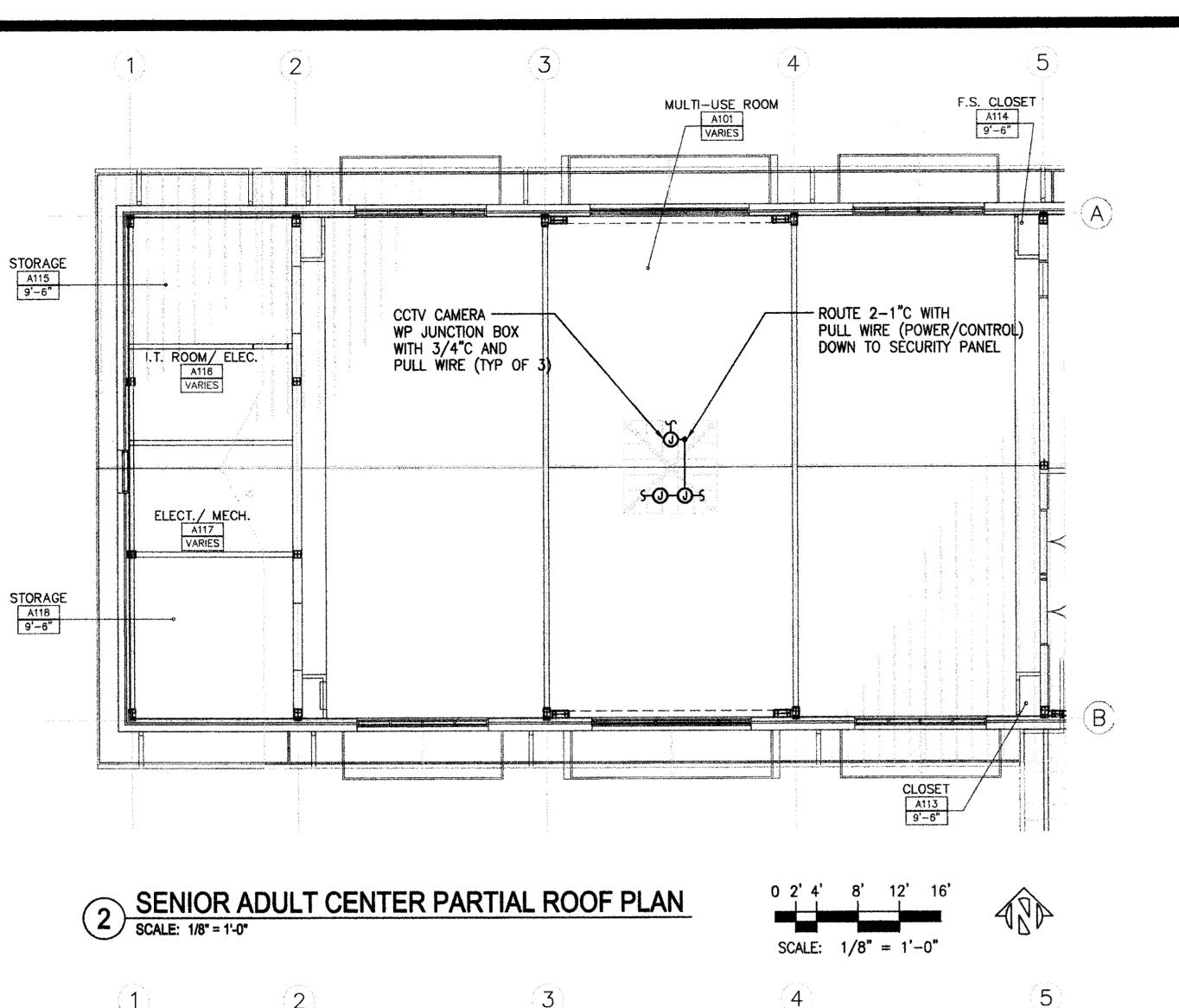
CONSTRUCTION DOCUMENTS

DECEMBER 20, 2007

SENIOR ADULT CENTER-BLDG A POWER PLAN

SHEET NUMBER

E-A2.1

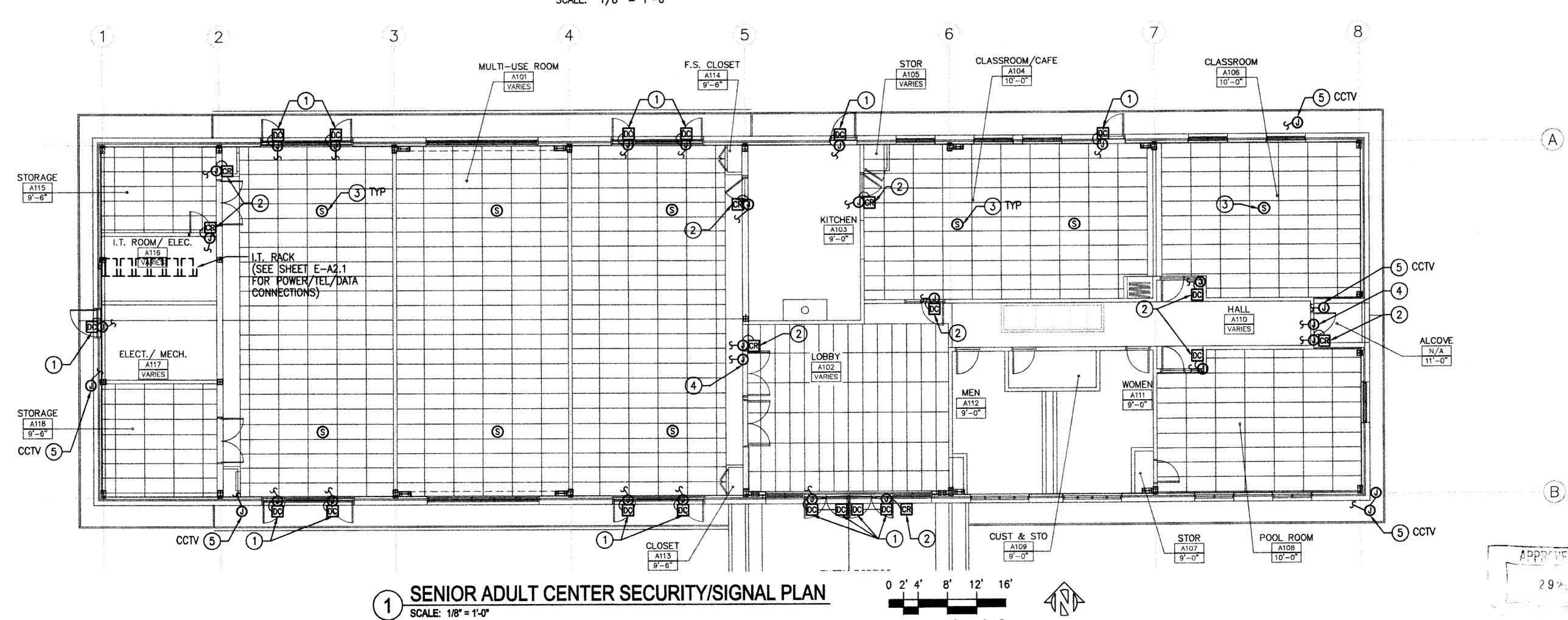


### **GENERAL NOTE:**

SECURITY CONTRACTOR TO VERIFY ALL DEVICES, WIRE COUNT AND TYPE FROM MANUFACTURER PRIOR TO INSTALLATION. REFER TO SECURITY CONSULTANT DRAWINGS FOR DETAILS, NOTES AND ADDITIONAL REQUIREMENTS

## **SHEET NOTES:**

- SECURITY SYSTEM DOOR CONTACT ON SECURITY JUNCTION BOX WITH 3/4"C AND PULL WIRE TO SECURITY PANEL (SEE SECURITY DETAILS/LAYOUT)
- 2 SECURITY SYSTEM CARD READER ON SECURITY JUNCTION BOX WITH 3/4"C AND PULL WIRE TO SECURITY PANEL (SEE SECURITY DETAILS/LAYOUT)
- 3 SPEAKER ON 2'x4' CEILING GRID. ROUTE 1/2"C WITH PULL WIRE TO I.T. ROOM
- JUNCTION BOX (ON CEILING). ROUTE 1/2°C, 2 #12 + #12 GND (POWER FOR DOOR PANIC HARDWARE) TO PANEL A1-30
- 5 CCTV JUNCTION BOX WITH 2-1"C (POWER/CONTROL) TO SECURITY PANEL (SEE SECURITY DETAILS/LAYOUT)

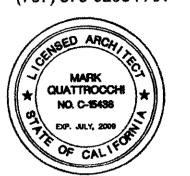


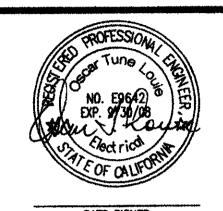
SCALE: 1/8" = 1'-0"

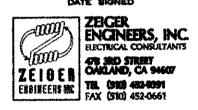


QUATTROCCHI KWOK ARCHITECTS

636 FIFTH ST. SANTA ROSA, CA 95404 (707) 576-0829 (707) 576-0295 FAX







## PHASE II SENIOR ADULT CENTER AND AQUATIC COMPLEX CONCESSION

CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

REVIS	IONS	
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ARCH F	ROJECT NO:	641.0
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DRAWII	NG SCALE:	

CONSTRUCTION DOCUMENTS

DECEMBER 20, 2007

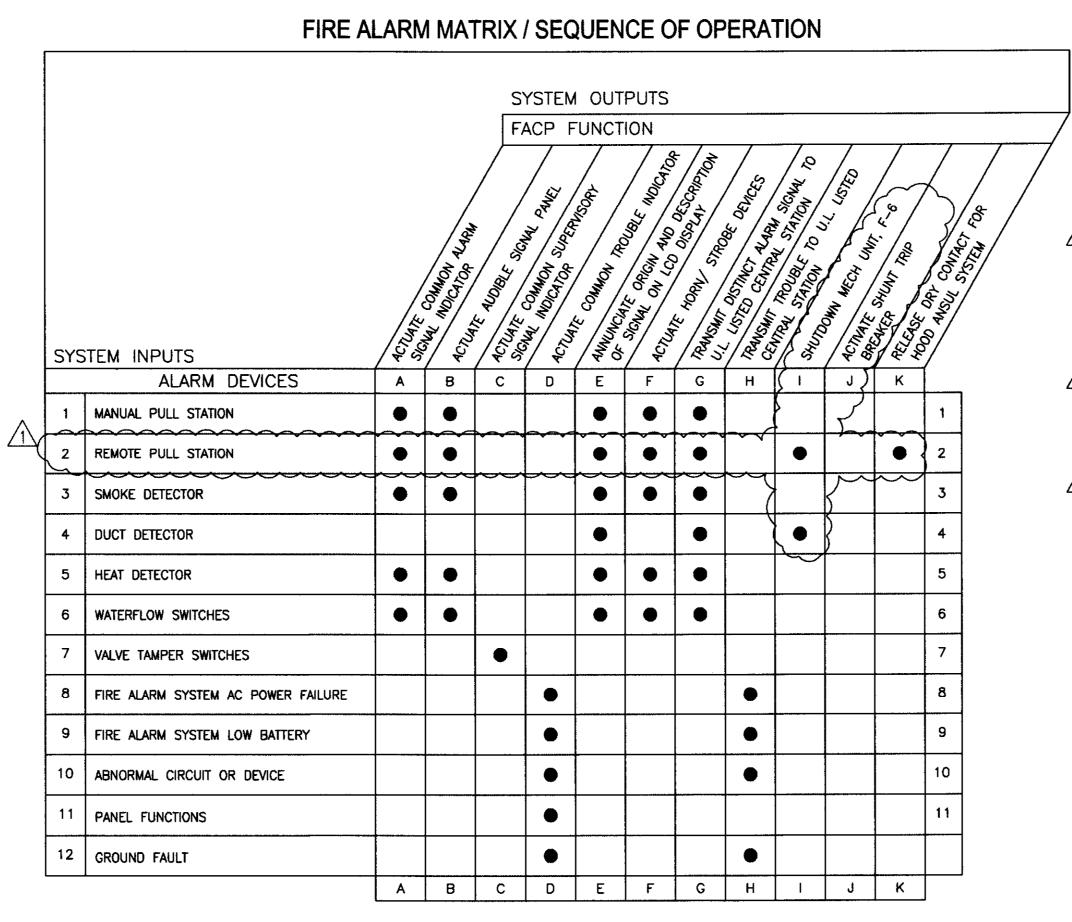
SENIOR ADULT CENTER-BLDG A SECURITY/ SIGNAL PLAN

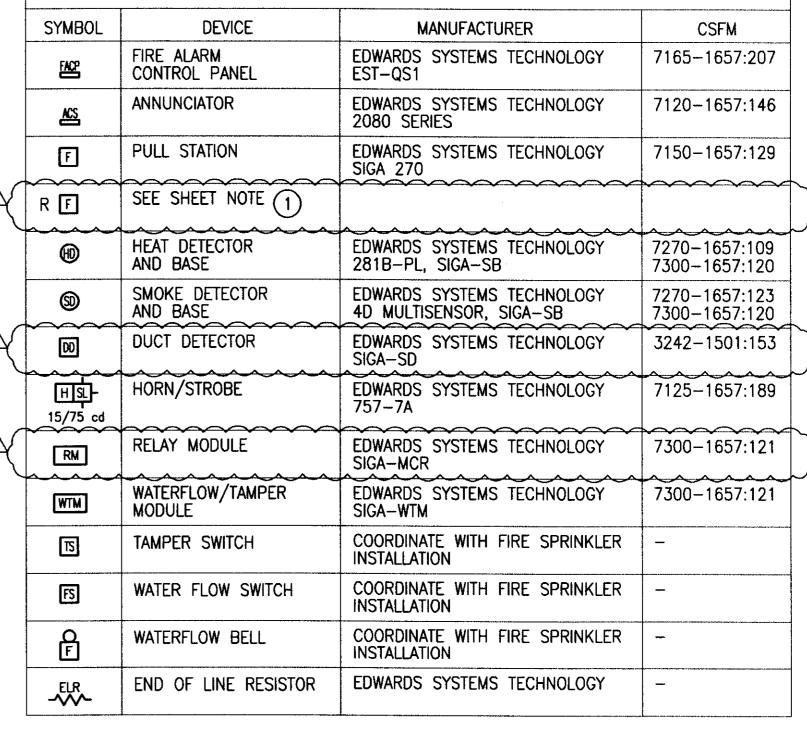
SHEET NUMBER

E-A2.2

### **GENERAL ELECTRICAL NOTES:**

- 1. COMPLIANCE WITH FEDERAL, STATE AND LOCAL WIRING CODES IS REQUIRED INCLUDING NFPA 2001 AND NFPA 70.
- 2. INPUT POWER TO ALARM PANEL(S) TO BE 120 VAC, ON A DEDICATED CIRCUIT THAT DOES NOT DE-ENERGIZE UPON SYSTEM ALARM OR EPO ACTIVATION ETC. THAT CIRCUIT SHALL BE LABELED AT THE ELECTRICAL PANEL, AND BE PROVIDED WITH A LOCKOUT. THE ELECTRICAL PANEL AND CIRCUIT NUMBER SHALL BE NOTED AT THE FIRE ALARM CONTROL PANEL. THIS WIRING AND TERMINATION IS TO BE PROVIDED BY OTHERS, AND NOT TO BE RUN IN THE SAME CONDUIT AS ALARM PANEL DEVICES.
- 3. A SEPARATE EARTH GROUND MUST BE INSTALLED. PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE. THIS WIRING IS TO BE PROVIDED BY OTHERS.
- 4. ALL 120 VAC WIRING TO BE KEPT SEPARATE FROM ALL FIRE ALARM CIRCUITS.
- 5. ALL AUDIBLE/VISUAL DEVICES ARE TO BE PLACED SO THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" FROM THE FLOOR.
- 6. MANUAL RELEASE AND ABORT STATIONS ARE TO BE MOUNTED 48" FROM THE FINISHED FLOOR AS MEASURED FROM THE CENTER OF THE DEVICE.
- 7. NO BRANCH CIRCUITS ALLOWED, EXCEPT WHERE NOTED.
- 8. CONDUIT TO BE EMT WITH SET SCREW, OR COMPRESSION FITTINGS. ALL JUNCTION BOX COVERS ARE TO BE LABELED "FA" WITH A PERMANENT MARKER.
- 9. EXACT LOCATIONS OF DETECTORS AND CONTROL EQUIPMENT SHALL BE DETERMINED IN THE FIELD. EXACT PLACEMENT MAY BE SUPERSEDED BY FIXTURES, DUCTS, TRAYS ETC. DETECTORS SHALL BE LOCATED A MINIMUM OF 3 FT. FROM ANY AIR SUPPLY DIFFUSER ETC. AND A MINIMUM OF 4 INCHES FROM A SIDEWALL TO THE NEAR EDGE OF THE DETECTOR.
- 10. POLARITY SHOULD BE OBSERVED ON ALL DEVICES.
- 11. ANY WIRING THAT IS REQUIRED FOR EQUIPMENT SHUTDOWNS SUCH AS AIR HANDLERS, SHUNT TRIPS ETC. IS
  TO BE PROVIDED BY OTHERS, AND NOT TO BE RUN IN THE SAME CONDUIT AS ALARM PANEL DEVICES.
- 12. ANY WIRING THAT IS REQUIRED FOR MONITORING OF THE ALARM PANEL(S) SUCH AS LIFE SAFETY EQUIPMENT OR OFFSITE MONITORING COMPANIES IS TO BE PROVIDED BY OTHERS.
- 13. ANY RELAY ENCLOSURE LOCATIONS SHOULD BE COORDINATED ON JOB SITE.
- 14. PANEL AND DEVICES ARE EQUIPPED WITH SCREW TYPE CAGE CLAMP TERMINATIONS OR SADDLE CLAMPS. WIRE SPADE CONNECTORS NOT NEEDED EXCEPT FOR MANUAL RELEASE STATIONS.
- 15. EOL RESISTORS SHALL NOT BE SPLICED TO FIELD WIRING.
- 16. CHECK FOR WIRE TO WIRE SHORTS AND SHORTS TO GROUND, NONE ARE ACCEPTABLE.
- 17. ALL DEVICE WIRING TO BE LABELED.
- EXAMPLE: WIRES GOING INTO A DEVICE SHALL BE LABELED IN, WIRES LEAVING THE DEVICE SHALL BE LABELED OUT. SEE DRAWINGS FOR DETAILS.

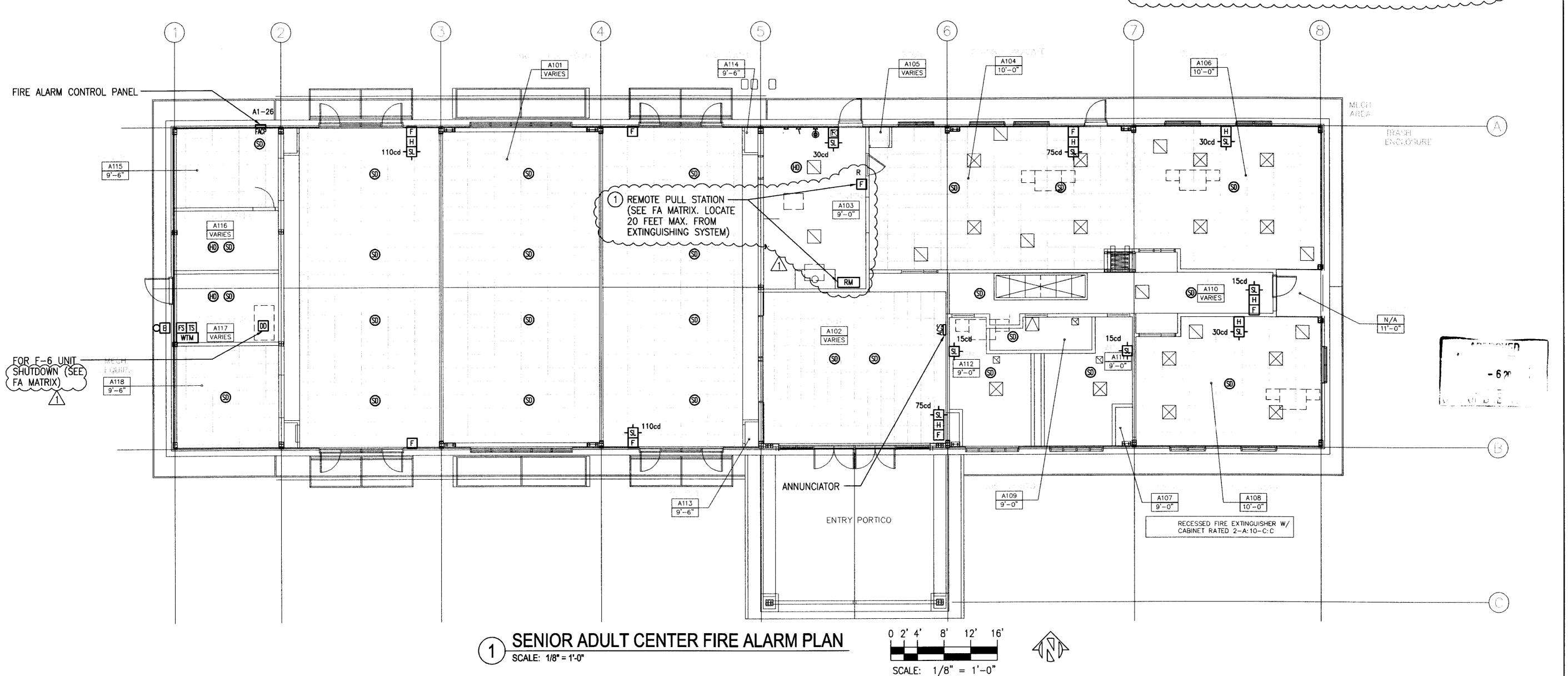




FIRE ALARM LEGEND / DEVICES

## SHEET NOTE:

PROVIDE REMOTE PULL STATION AND ACTIVATE RELAY MODULE
FOR HOOD ANSUL SYSTEM (BY FIRE SYSTEM DISTRIBUTOR). PROVIDE STANDARD
PLACARD STATING "FOR KITCHEN FIRES ONLY" FOR THE ANSUL SYSTEM.
ACTIVATE RELAY MODULE FOR SHUNT TRIP BREAKER





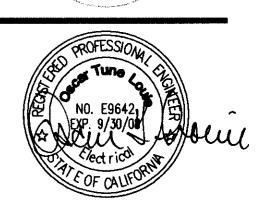
QUATTROCCHI KWOK ARCHITECTS 636 FIFTH ST.

(707) 576-0295 FAX

MARK
QUATTROCCH
NO. C-1543E

OF CAL

SANTA ROSA, CA 95404 (707) 576-0829



ZEIGER
ENGINEERS, INC.
ELECTRICAL CONSULTANTS
478 3RD STREET
OAKLAND, CA 94607
TEL (510) 452-9391
FAX (510) 452-9661

PHASE II SENIOR ADULT
CENTER AND
AQUATIC
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CONCESSION

CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

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Δ	03/21/08	CCCFPD REVIEW ISED
		- 108 - 6 <b>2008</b>
	СОМ	CITY OF BRENTWOOD
ARCH PR	OJECT NO:	641.02
DRAWN E	Y·	STAFF

CONSTRUCTION DOCUMENTS

DECEMBER 20, 2007
SHEET TITLE

SENIOR ADULT CENTER-BLDG A FIRE ALARM PLAN

SHEET NUMBER

E-A3.0

CERTIFICATE OF	COMPLIANCE	(Part 1 of 4)	) L	TG-1-C
PROJECT NAME PHASE II – SENIOR ADULT CENT	מיד			OATE 2/19/07
PROJECT ADDRESS	LK	· · · · · · · · · · · · · · · · · · ·		
195 GRIFFTTH LN				
BRENTWOOD, CA				
PRINCIPAL DESIGNER-LIGHTING		TELEPHONE		Building Permit
Zeiger Engineers, Inc		510.452.9391		
DOCUMENTATION AUTHOR Zeiger Engineers, Inc		TELEPHONE 510.452.9391		Checked by/Date Enforcement Agency Use
	/3B'	310.4.72.3391		Emoteorical Agency Cac
GENERAL INFORMATION DATE OF PLANS 12/20/07	BUILDING CONDITIONED FLO	OOR	<del></del>	CLIMATE
BUILDING TYPE	T	ISE RESIDENTIAL		□ HOTEL/MOTEL GUEST
CONDITIONED SPACES		INDOOR/OUTDOO		
PHASE OF CONSTRUCTION	Ø NEW □ ADDIT	ION ALTERA	TION	
METHOD OF COMPLIANCE				
□ PERFORMANCE □ COM	PLETE BUILDING 💢 AREA CATEG	ORY DIAILO	and i	OOMMON LIGHTING
OSCAR T. LOUIE  The Principal Lighting Designer here with the other compliance forms and proposed building has been designed	ertifies that the documentation is accurate SIGNATURE  eby certifies that the proposed building a worksheets, with the specifications, and w to meet lighting requirements contained	esign represented in thi	ns submitted w	rith this permit application. T
OSCAR T. LOUIE  The Principal Lighting Designer here with the other compliance forms and proposed building has been designed. Title 24, Part 6.  The plans & specifications mee Part 6 (10-103a 3).  The operation & maintenance inf. Please check one: (These section I hereby affirm that I am eligible responsible for its preparation; architect.  I affirm that I am eligible under document as the person responsible.	SIGNATURE  by certifies that the proposed building of worksheets, with the specifications, and was to meet lighting requirements contained in the requirements of Part 6 (Sections 1) formation meet the requirements of Part 6 and the Business and Professions Code are under the provisions and Professions of the Analytical I am licensed in the State of Cathe provisions of Division 3 of the Business of Division 3 of the Business for its preparation; and that I am a lice	esign represented in the pith any other calculation applicable parts of Se 0-103a).  The install (10-103c), reprinted in full in the 1 ce Business and Professions as a civil enginess and Professions Consed contractor perform	ns submitted we ctions 110, 119 ation certificate Conresidential cons Code to sincer or electrical the by section 5 ing this work.	12/19/07 nection documents is consistent this permit application. T 9,130–132, 146, 148, & 149 es meet the requirements of Manual.) pp. this document as the person of the engineer, or I am a licens is 537.2 or 6737.3 to sign this
OSCAR T. LOUIF  The Principal Lighting Designer here with the other compliance forms and proposed building has been designed. Title 24, Part 6.  The plans & specifications mee Part 6 (10-103a 3).  The operation & maintenance inf. Please check one: (These section I hereby affirm that I am eligible responsible for its preparation; architect.  I affirm that I am eligible under document as the person responsit.  I affirm that I am eligible under	SIGNATURE  by certifies that the proposed building of worksheets, with the specifications, and we to meet lighting requirements contained in the requirements of Part 6 (Sections 1) formation meet the requirements of Part 6 and the Business and Professions Code as a under the provisions of Division 3 of the and that I am licensed in the State of Cathe provisions of Division 3 of the Business of Division 3 of Division 3 of Division 3 of Division 3 of Division 3 of Division 3 of Division 3 of Division 3 of Division 3 of Division 3 of Division	esign represented in this with any other calculation in applicable parts of Secondary (10-103c). The install (10-103c), reprinted in full in the like Business and Professions Comments and Professions Comments Code to sign this do	ns submitted we ctions 110, 119 ation certificate Conresidential cons Code to signer or electrical de by section 5 ing this work, current because	12/19/07 nection documents is consistent this permit application. T 9,130–132, 146, 148, & 149 es meet the requirements of Manual.) pp. this document as the person of the engineer, or I am a licens is 537.2 or 6737.3 to sign this
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ROJECTNAME HASE II – SENIOR ADULT CENTER			DATE 12/19/07
LLOWED LIGHTING POWER (Choose One Method)			
COMPLETE BUILDING METHOD- CONDITIONED S	DACES		
ON LEID BELLDING METHOD-CO. (DITIONED S	WATTS	COMPLETE	ALLOWED
BUILDING CATEGORY (From § 146 Table 146-B)	PER (ft²)	BLDG. AREA	WATTS
			·
REA CATEGORY METHOD – CONDITIONED SPAC			
A	B WATIS	ARKA	ALLOWED
AREA CATEGORY (From § 146 Table 146-C)	PER (0 <sup>2</sup> )	(n²)	WATTS
Multipurpose	1.4	3.376	4,726
Corridors, Restroom, Support areas	0.6	1.288	773
Electrical	0.7	301	211
Main Entry Lobby	1.5	668	1,002
Kitchen	1.6	369	590
		6,002	7,302
	TOTALS	AREA	WATTS
AILORED METHOD- CONDITIONED SPACES		·	
	TOTAL ALLOY	VED WATTS	
	(Fro	om LTG-6-C)	
INCONDITIONED SPACES			
A	В	С	D
Complete Building and Area Category Methods CATEGORY (Frum § 146 Table 146-B & C)	WATTS PER (ft²)	AREA (ft²)	ALLOWED
	TEK(II)	(п)	WATTS
	TOTALS	AREA	WATTS
AILORED METHOD- UNCONDITIONED SPACES		· <del>* .</del>	

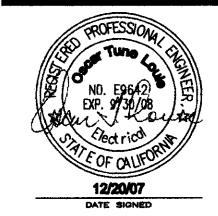
<b>CERTIFICA</b>	TE OF COM	PLIANCE	(Part 2 of	<b>4)</b> L7	Г <b>G-1-С</b>
PROJECTNAME PHASE II SENIOR ADUL	T CENTER			DATE 12/19/07	
INSTALLED INDO	OR LIGHTING PO	OWER FOR COND	OITIONED AND UNC	ONDITIO	NED
					INSTALL
	INST	'ALLED LIGHTING	G, CONDITIONED SPA	CFS (Fron	WATTS n 6,646
	11131		ABLE LIGHTING (From	,	<u> </u>
			VIROL CREDIT, CON		´ —
		CONDITIONED	SPACE ADJUSTED IN	ISTALLEI	6,646
	<b></b>		n:6	- a- 4 a-	_
			NG, UNCONDITIONE ROL CREDIT, UNCON		
			SPACE ADJUSTED IN		
	(	MCOMBITRANIA		G POWE	·
ALLOWER BEACO	D I JOHNING BOY	WED FOR COMM	TIONED CDACEC		•
ALLOWED INDOO			LIONED SPACES		
☑ COMPLETE BUI	LDING METHOD	(from LTG-5-C)			
☐ AREA CATEGOR	RY METHOD (from	n LTG-5-C)			
□ TAILORED MET	HOD				
(from LTG-5-C)	- N/2		ALLOWED I IGHTIN	IG POWFI	WATTS
(from LTG-5-C)			ALLOWED LIGHTIN	IG POWEI	WATTS
			ALLOWED LIGHTIN	IG POWEI	WATTS
(from LTG-5-C)  ALTERNATE COM  ✓	PLIANCE		ALLOWED LIGHTIN	IG POWEI	WATTS
(from LTG-5-C)  ALTERNATE COM  ✓  □ PERFORMANCE	PLIANCE METHOD		ALLOWED LIGHTIN	IG POWEI	WATTS
(from LTG-5-C)  ALTERNATE COM  ✓  □ PERFORMANCE □ COMMON LIGIT	PLIANCE METHOD		ALLOWED LIGHTIN	IG POWEI	ALLOWE WATTS 7,302
(from LTG-5-C)  ALTERNATE COM  ✓  □ PERFORMANCE	PLIANCE  METHOD  TING SYSTEM	R FOR UNCONDIT		IG POWEI	WATTS 7,302
(from LTG-5-C)  ALTERNATE COM  ✓  □ PERFORMANCE □ COMMON LIGHT (from LTG-8-C)	PLIANCE  METHOD  TING SYSTEM	R FOR UNCONDIT			WATTS 7,302
(from LTG-5-C)  ALTERNATE COM  ✓  □ PERFORMANCE □ COMMON LIGHT (from LTG-8-C)  ALLOWED INDOOR	PLIANCE  METHOD  TING SYSTEM  LIGHTING POWE			Wall	WATTS 7,302
(from LTG-5-C)  ALTERNATE COM  ✓  □ PERFORMANCE □ COMMON LIGHT (from LTG-8-C)  ALLOWED INDOOR	PLIANCE  METHOD  TING SYSTEM  LIGHTING POWE	ES FOR INDOOR	TIONED LIGHTING AND DAY	Wall	WATTS 7,302
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	LIGHTING MANDA	TO	RY MEASURES
	BUILDING LIGHTING SHUT-OFF THE BUILDING LIGHTING SHUT-OFF SYSTEM CONSISTS OF AN AUTOMATIC TIME SWITCH, WITH A ZONE FOR EACH FLOOR: OR THE BUILDING IS SEPARATELY METERED AND LESS THAN 5,000 SQUARE FEET; EXEMPT FROM THE SHUT-OFF REQUIREMENT.		EACH ROOM AND AREA IN THIS BUILDING IS EQUIPPED WITH A SEPARATE SWITCH OR OCCUPANCY
	OVERRIDE FOR BUILDING LIGHTING SHUT-OFF  THE AUTOMATIC BUILDING SHUT-OFF SYSTEM IS PROVIDED WITH A MANUAL ACCESSIBLE OVERRIDE SWITCH IN SIGHT OF THE LIGHTS. THE AREA OF OVERRIDE IS NOT TO EXCEED 5,000 SQUARE FEET.		UNIFORM REDUCTION FOR INDIVIDUAL ROOMS ALL ROOMS AND AREAS GREATER THAN 100 SQUARE FEET AND MORE THAN 0.8 WATTS PER SQUARE FOOT OF LIGHTING LOAD SHALL BE CONTROLLED WITH BI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM.
	AUTOMATIC CONTROL DEVICES CERTIFIED ALL AUTOMATIC CONTROL DEVICES SPECIFIED ARE CERTIFIED, ALL ALTERNATE EQUIPMENT SHALL BE CERTIFIED AND INSTALLED AS DIRECTED BY THE MANUFACTURER.  FLUORESCENT BALLAST AND LUMINAIRES		DAYLIT AREA CONTROL  ALL ROOMS WITH WINDOWS AND SKYLIGHTS, THAT ARE GREATER THAN 250 SQUARE FEET, AND THAT ALLOW FOR THE EFFECTIVE USE OF DAYLIGHT IN THE AREA SHALL HAVE 50 PERCENT OF THE LAMPS IN EACH DAYLIT AREA CONTROLLED BY A SEPARATE SWITCH; OR
⊠	ALL FLUORESCENT FIXTURES SUBJECT TO CERTIFICATION AND SPECIFIED FOR THE PROJECTS ARE CERTIFIED.  TANDEM WIRNG FOR TWO-LAMP BALLAST'S ALL ONE AND THREE LAMP FLUORESCENT FIXTURES ARE TANDEM WIRED WITH TWO (2) LAMP BALLAST WHERE REQUIRED BY STANDARDS 132; OR  ALL THREE LAMP FLUORESCENT	×	THE EFFECTIVE USE OF DAYLIGHT THROUGHOUT CANNOT BE ACCOMPLISHED BECAUSE THE WINDOWS ARE CONTINUOUSLY SHADED BY A BUILDING ON THE ADJACENT LOT. DIAGRAM OF SHADING DURING DIFFERENT TIMES OF YEAR IS INCLUDED ON PLANS.  CONTROL OF EXTERIOR LIGHTS EXTERIOR MOUNTED FIXTURES AND SERVED FROM THE ELECTRICAL PANEL INSIDE THE BUILDING ARE
	FIXTURES ARE SPECIFIED WITH ELECTRONIC HIGH-FREQUENCY BALLAST'S AND ARE EXEMPT FROM TWO-LAMP TANDEM WIRING		CONTROLLED WITH A DIRECTIONAL PHOTOCELL CONTROL ON THE ROOF AND A CORRESPONDING RELAY IN THE ELECTRICAL PANEL.

PROJECT	NAME SENIOR ADULT CENTER		LTG-2- DATE 12/19/07						
	LLED LIGHTING POWER FO	R UNCONI	UTIONED	SPACE	'S			12.13.0	, 
HIOTE	Luminaire		Lamps	Installed Watts					
A	В	С	D	E	F	G	1		J
Name		Lamp Type	Number of Lamps per Luminaire	Watts Per Lamp	Number of Ballast per Luminairo	Watts per Luminairo	CEC Default	Number of Luminaires	Watts (11 x J)
FI	2'X4' FIXTURE	FI.	3	32	1	96	1	27	2,592
1/2	LINEAR ITUORESCENT	1/1.	2	32	1	64	1	3	192
F3	DIRECT/INDIRECT FIXTURE	FI.	2	32	1	64	1	44	2,816
F4	8' STRIP FLUORESCENT	FI.	1	32	1	64	1	1	64
F5	DOWNLIGHT	CF	1	32	1	35	1	1	35
F6	4' STRIP FLUORESCENT	FL	1	32	1	35	1	1	35
F7	WALL FIXTURE	FL	2	40	1	80	1	2	160
F8	DOWNLIGHT	CF	1	26	1	37	<b> </b>	12	444
F9	DECORATIVE FIXTURE	CF	2	36	1	50	1	4	200
F10	3° STRIP FLUORESCENT	FL	1	25	1	27		4	108
<u>.</u> . :				CON	BUILDING FROL CRE ADJUSTED	DIT (from	LTG-4-C	+	546







ZEICER ENCINEERS, INC.
BECTRICAL CONSULTANTS
OF SID STREET
OAKLAND, CA 94607
TEL (910) 452-0661

PHASE II SENIOR ADULT
CENTER AND
AQUATIC
COMPLEX
CONCESSION

CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

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CONSTRUCTION DOCUMENTS
DECEMBER 20, 2007

SHEET TIME

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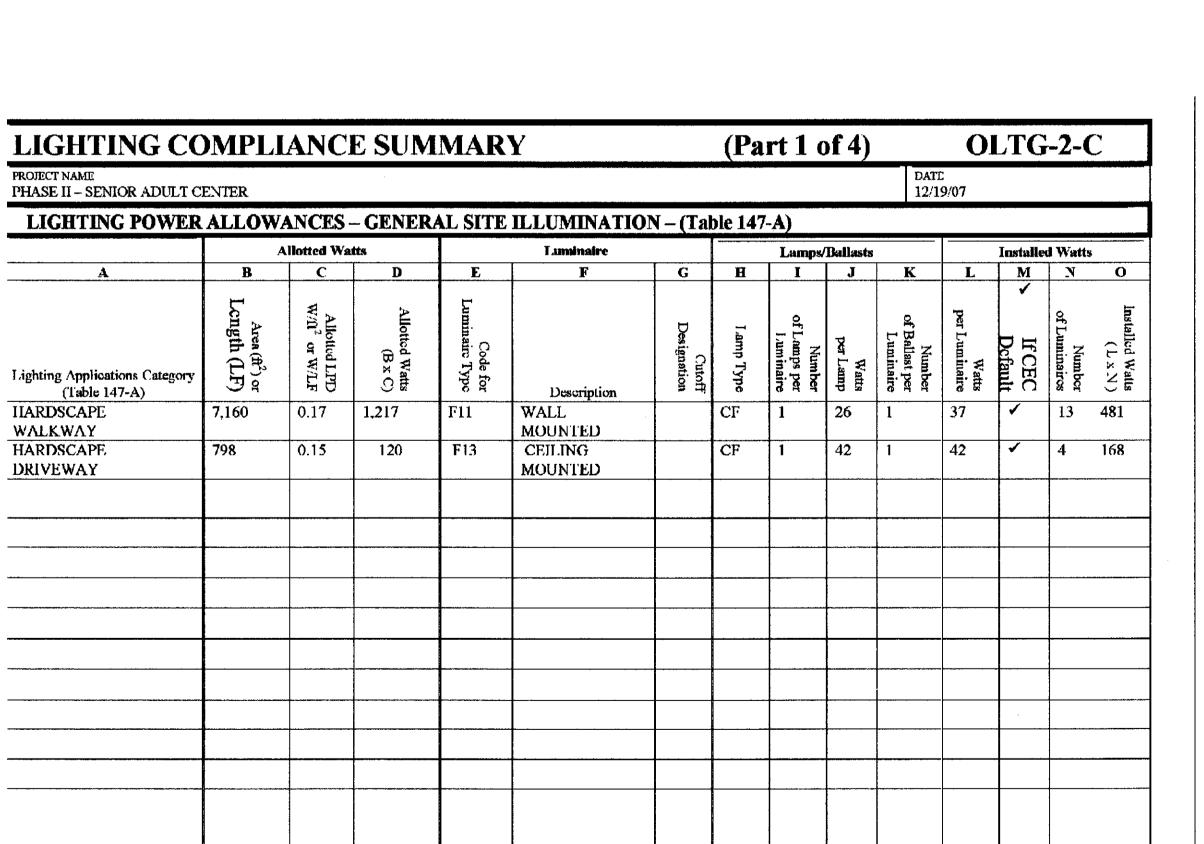
PROJECT NAME PHASE II - SE	NIOR ADULT CENTER	AND AQUATIC COM	MPLEX CONCESS	SION	DA 12	TE /19/07
PROJECT ADDR	RESS N BRENTWOOD, CA	.,				
PRINCIPAL DES Zeiger Engineers	SIGNER-LIGHTING s. Inc			TELEPHONE 510.452.9391	Bui	ldina Permit
DOCUMENTATION Zeiger Engineers	ON AUTHOR			TELEPHONE 510.452.9391	Ch Ent	ecked bv/Date forcement Agency Use
SENERAL INFO						
DATE OF PLANS	S 12/20/07	OUTDOOR LIGHTIN	IG ZONE (✔ One) 🗆	LZ1 🗖 LZ2 🗹 L	Z3 □ LZ4	
FUNCTION TYP	<b>€</b> ☑ OU1	DOOR LIGHTING	□ OUTDOOR	SIGNS		OOR SIGNS
PHASE OF CON	ISTRUCTION MEN	V CONSTRUCTION	□ ADDITIONS	8	□ AL7	ERATIONS
his Certificate of he California Cod	F COMPLIANCE of Compliance lists outdoor lide of Regulations. This certifies on preparer hereby certifies	tificate applies only to I	building lighting requ	iliements.	1 and 6 of	
DOCUMENTATIONSCAR T. LOUI		SIGNATURE				DATE 12/19/07
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Total Allotted Watts 1,337

Lighting power allowances for ge     Not Applicable     Lighting power allowances for le     Not Applicable     Lighting power allowances for sq     Not Applicable     Lighting power allowances for sq     Not Applicable     Sign lighting compliance on OL     Not Applicable     Not Applicable     Not Applicable     Mandatory Measures on Plans Indicate location on plans of     Installed lighting power has been     Not Applicable	eneral site illumination or ocal ordinances or for secure pecific applications, other ehicle service station cand the ser	urity multipliers on OLTG-2-C Part 2 of than vehicle service stations with canopepies on OLTG-2-C Part 4 of 4  ighting Meets Outdoor Lighting Candatory Measure	ries on OLTG-2-C Part 3 of 4	
Not Applicable  Lighting power allowances for it Not Applicable  Lighting power allowances for sp Not Applicable  Lighting power allowances for vo Not Applicable  Sign lighting compliance on OL  Not Applicable  Mandatory Measures on Plans Indicate location on plans of  Installed lighting power has been Not Applicable	pecific applications, other ehicle service station cand TG-4-C: Show that Outdoor L. f Note Block for Management of the content  urity multipliers on OLTG-2-C Part 2 of than vehicle service stations with canopepies on OLTG-2-C Part 4 of 4  ighting Meets Outdoor Lighting Candatory Measure	pies on OLTG-2-C Part 3 of 4		
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Indicate location on plans of  Installed lighting power has been  Not Applicable	f Note Block for Management of the Block for Management of	andatory Measure	ontrols and Equipment	
☐ Installed lighting power has been☐ Not Applicable	n determined in accordance			
Not Applicable		ce with § 130(c)1		
Not Applicable		3 200(072		
	ares with lamps rated over	r 100 watts either have a lamp efficacy o	of at least 60 lumens per watt c	er are controlled
by a motion sensor § 132(a)	•		•	
Not Applicable				
	greater than 175 watts in	hardscape areas, including parking lots,	building entrances, canopies,	and all outdoor
sales areas meet the Cutoff Requirem	ents of § 132(b)			
Not Applicable				
All permanently installed outdoo	r lighting meets the Cont	trol Requirements of § 132(c)1		
Not Applicable		40004		
☑ Building facades, parking lots, g	arages, canopies, and out	door sales areas meet the Multi-Level Li	ghting Requirements of § 132	C(e)2
Not Applicable				
MANDATORY AUTOMATIC	CONTROLS			
CONTROL LOCATION IDI	CONTROL ENTIFICATION	CONTROL TYPE Auto Time Switch/Photosensor, etc	AREA CONTROLLED	NOTE TO FIELD
EXTERIOR	LCP	LIGHTING CONTROL PANEL	7,958	
		PAINIS		
				-
		#11	MINISTER A TENNEN AND AND AND AND AND AND AND AND AND AN	
				<b> </b>

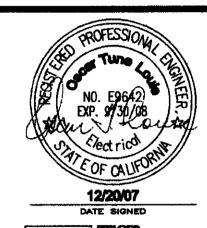
(Part 2 of 2) OLTG-1-C

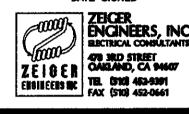
CERTIFICATE OF COMPLIANCE



Total Installed Watts







PHASE II SENIOR ADULT
CENTER AND
AQUATIC
COMPLEX
CONCESSION

CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

> AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

REVISK	ONB	
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ARCH PR	OJECT NO:	641
DRAWN B	Y:	STA

CONSTRUCTION DOCUMENTS
DECEMBER 20, 2007

BIDG A

BLDG A ENERGY COMPLIANCE -OUTDOOR

HEET NUMBER

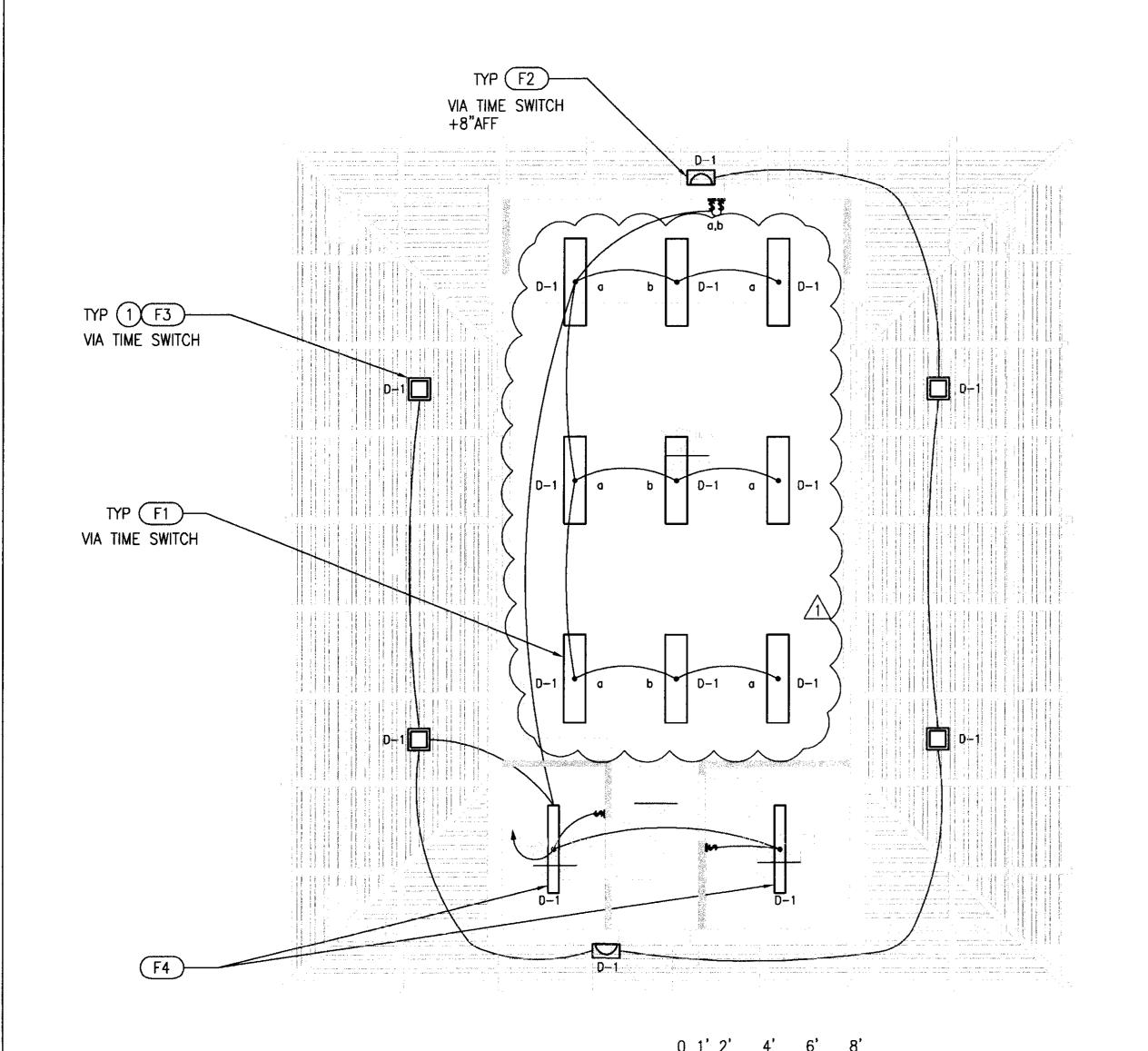
DRAWING SCALE

E-A-EC2

PANEL SCHEDULE:	D				12	0/208	ov vol	LIS,	3 PI	HASE,	4 WIRE	_		KAIC R	ATING: 10 (3)
MAIN BREAKER REQ	'D: X	MAIN L	UGS ONLY:		BU:	s rati	ING:	22	25 AM	PS F	PANEL T	YPE: BOLT	-ON	LOCATIO	ON: CONCESSION STA
DESCRIPTION	PHASE A	PHASE B	PHASE C		POLE	CKT			CKT	POLE	AMPS	PHASE A	PHASE B	PHASE C	DESCRIPTION
INTERIOR/EXTERIOR LIGHTING	1028			20	1	1	Χ	!	2	1	20	1584			NACHO MACHINE
SPARE		4		20	1	3		Ϋ́	4	1	20		1000		SODA MACHINE
CASH REGISTER			1000	20	1	5	]	X	6	1	20			816	
CASH REGISTER	1000			20	1	7	ļΧ		8	1	20	540			RECEPT
HOTDOG MACHINE		1320		20	1	9		X	10	1	20		360		RECEPT-GFCI
POPCORN MACHINE			1125	20	1	11		X	12	1	20			500	
POPCORN MACHINE	1125			20	1	13	ļΧ		14	1	20	900			WP RECEPT
HOT CHOCOLATE MACHINE		1800		20	1	15		ĶΙ	16	1	20		200		TIME SWITCH/IRRIGATION
HOT CHOCOLATE MACHINE			1800	20	1	17	]	X	18	1	20			1350	FLY FANS
FA BOOSTER POWER SUPPLY	200			20	1	19	X		20	1	20	540			BELOW COUNTER REFRIGER
SLUSHIE MACHINE		1800		20	1	21	>	×	22	1	20		1600		DISPOSAL
SLUSHIE MACHINE			1800	_20_	1	23	]	X	24		20			697	PTAC-1
WATER HEATER, 'WH'	2500			50 >		25	X		26	2		697			6.7A, 208V/1ø
2-4500W, 208V/3ø		4500		אמת [		27	>	K	28		20		697		PTAC-2,
<b></b>	<u> </u>	<u>}</u>	2500		3	29		X	30	2				697	6.7A, 208V/1ø
COFFEE MACHINE	2100			20		31	X		32		20	1664			ICE MAKER
6300W, 208V/3ø		2100		] /		33	>	<b>(</b>	34	2			1664		208V/1ø
			2100		3	35	]	X	36	1	20			1800	WARM HOLDING DRAW
COFFEE MACHINE	2100			20		37	X		38	1	20	1800			WARM HOLDING DRAWE
6300W, 208V/3¢		2100				39	>	<b>K</b>	40	1	20				SPARE
, , ,			2100		3	41		X	42	1	20			1200	REFRIGERATOR
TOTALS	10053	13620	12425									7725	5521	5710	TOTALS
		TOTAL CONI	NECTED 10/	AD:									55054 VA		
		LONG TIME			D:				1052	8 X 0.3	25 =		2632 VA		
		CALCULATED			<del>-</del> -					- ·· •··			57686 VA	(160A)	
	· ·		, iccount	. V/ W.									0,000 IA	( )	

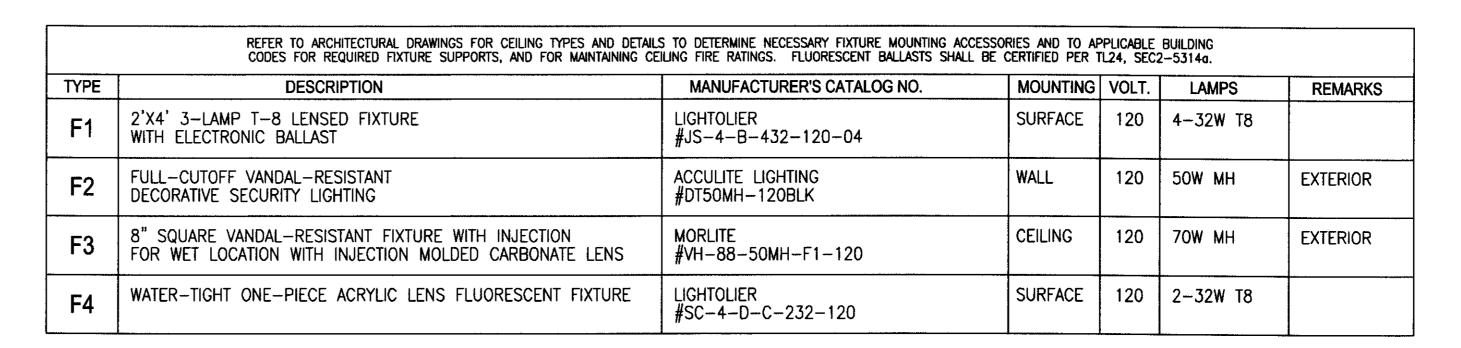
\* - FUTURE EQUIPMENT (NIC)

## (3) PANEL SCHEDULE



LIGHTING PLAN

SCALE: 1/4"=1'-0"



- GROUT AROUND

PENETRATION

IN CONCRETE

\_\_\_ 3/4" GRSC

## (5) FIXTURE SCHEDULE

DUPLEX PEDESTAL

#SA6685

HUBBELL #HBL5221,-

FINISH FLOOR LEVEL-

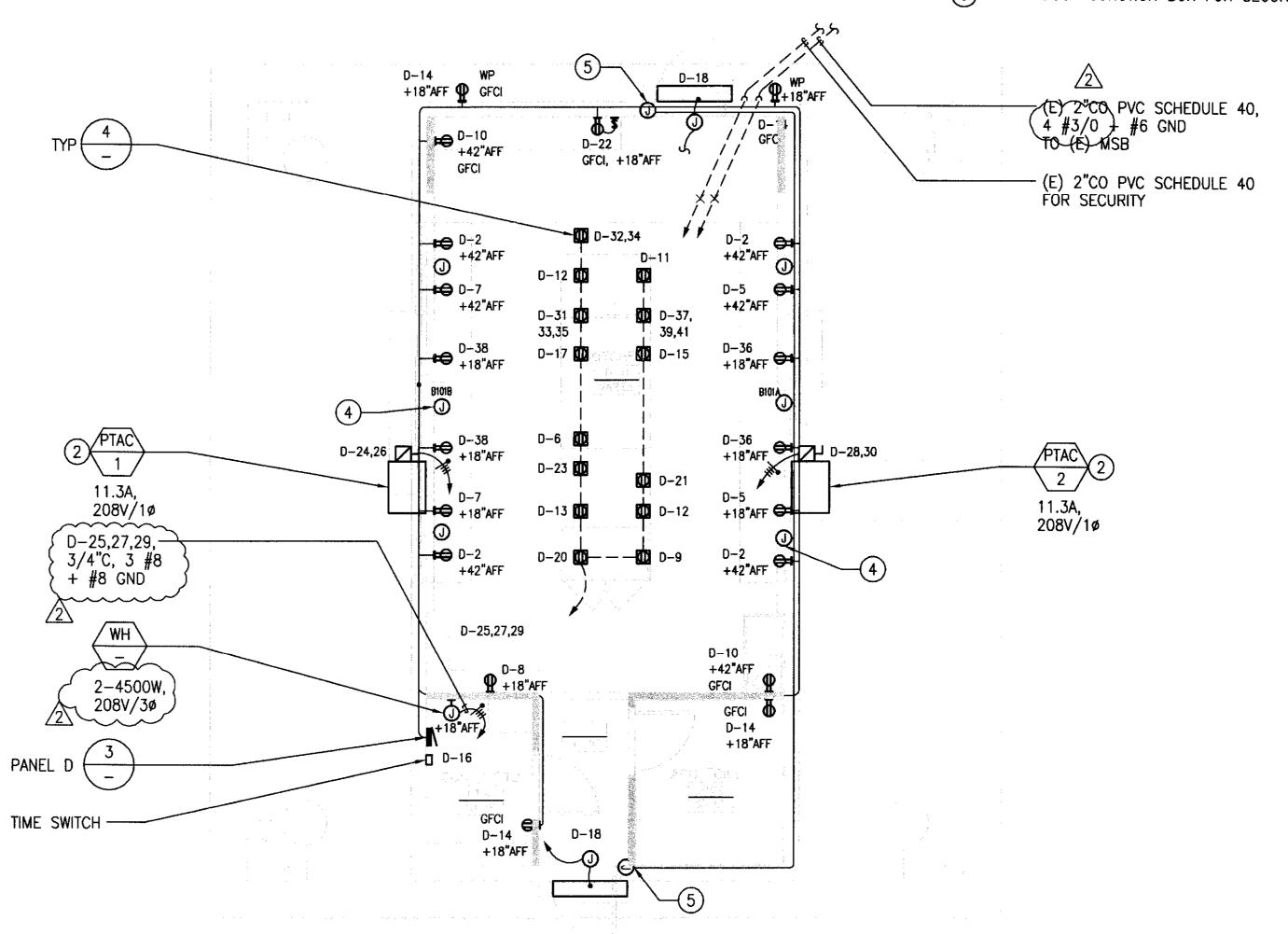
RECEPTACLE WITH FLIP COVER

## **GENERAL NOTES:**

- 1. ALL WALL MOUNTED RECEPTACLE CONDUITS TO BE CONCEALED IN CONRETE BLOCK WALL
- 2. FOR SECURITY SYSTEM, ALL 3/4"CONDUIT WITH PULL WIRE, JUNCTION BOXES FOR EACH DOOR AND INDIVIDUAL WINDOW FRAMES TO BE CONCEALED IN CONRETE BLOCK WALL
- 3. FOR THE CONCESSION, REQUIRED LIGHTING INTENSITY OF 50 FOOTCANDLES MINIMUM ACHIEVED WITH REVISED LIGHTING LAYOUT OF F1 FIXTURE (9 TOTAL)

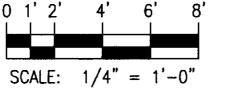
## **SHEET NOTES:**

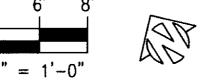
- 1) MOUNT UNDERSIDE OF METAL ROOF DECK AT 12'-0" AFF
- 2 SEE MECHANICAL DRAWING FOR INSTALLATION REQUIREMENTS THERMOSTAT AND ADDITIONAL NOTES. FOR WIRING, ROUTE 1/2"C, 3 #12 + #12 GND
- 3 KAIC RATING FOR THE PANEL BOARD SHALL BE CONFIRMED WITH PG&E PRIOR TO PURCHASE
- (4) JUNCTION BOX IN CMU WALL FOR WINDOW BREAK ALARM
- (5) ABOVE DOOR JUNCTION BOX FOR SECURITY DOOR CONTACT



**POWER PLAN** 2 POWER F SCALE: 1/4"=1'-0"

PEDESTAL RECEPTACLE DETAIL

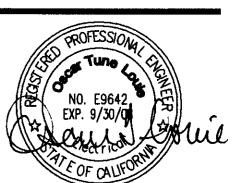






ARCHITECTS 636 FIFTH ST. SANTA ROSA, CA 95404 (707) 576-0829







PHASE II -**SENIOR ADULT CENTER AND AQUATIC COMPLEX** CONCESSION

> CITY OF BRENTWOOD

195 GRIFFITH LN. BRENTWOOD, CA

SENIOR ADULT CENTER C.I.P. #522-52280

AQUATIC COMPLEX CONCESSION C.I.P. #522-52300

REVISIO	ONS		
Λ	04/15/08	CCEH REVIEW	
A	04/17/08	ZE CLARIFICATION REVISED	
		.JUN -6 <b>2008</b>	
		CITY OF BRENTWOO	
ARCH PRO	DJECT NO:	641.02 MEI	NT DEF
DRAWN B	Y:	STAFF	
DRAWING	SCALE:	AS SHOWN	

CONSTRUCTION DOCUMENTS **DECEMBER 20, 2007** 

SHEET TITLE

- 6 20

BLDG B -LIGHTING AND POWER PLANS, **SCHEDULES** AND DETAIL

SHEET NUMBER

E-B2.0